President : Shri Amrishbhai R. Patel M.L.A.

Principal : Dr. S. B. Bari M.Pharm. Ph.D., D.I.M.F.J.C.

SUMMARY

CRITERIA: 2

TEACHING- LEARNING AND EVALUATION

Key Indicator: 2.3	Teaching- Learning Process
Metric No : 2.3.1	Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing.

PROJECT BASED LEARNING (FINAL YEAR PROJECT, PRACTICE SCHOOL)

Academic Year 2022-23, Semester VII (B Pharmacy)

In the VII semester, every candidate shall undergo practice school for a period of 150 hours evenly distributed throughout the semester. The student should attend practice school under each domain as declared by the program committee from time to time. At the end of the semester, every student shall submit a handwritten report in file provided from the store on the practice school he/she attended (not more than 40 pages).

Along with the exams of semester VII, the report submitted by the student, knowledge and skills acquired by the student through practice school shall be evaluated by the subject experts and grade point shall be awarded.

Course of study for semester VII for Practice School

Course code	Name of the course	No. of hours per week	Credit points
BP706PS	Practice School	12	6

Schemes for internal assessments and end semester examinations

Continuous Mode Marks (Duration)	End Semester Exams Marks (Duration)	Total Marks	
25 (Whole Semester Attendance)	125 (20 Min Each)	150	



PRINCIPAL H.R. Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405



President : Shri Amrishbhai R. Patel M.L.A.

Principal : Dr. S. B. Bari M.Pharm. Ph.D., D.I.M.F.J.C.

SUMMARY

CRITERIA: 2

TEACHING- LEARNING AND EVALUATION

Academic Year 2021-22, Semester VII (B Pharmacy)

In the VII semester, every candidate shall undergo practice school for a period of 150 hours evenly distributed throughout the semester. The student should attend practice school under each domain as declared by the program committee from time to time. At the end of the semester, every student shall submit a handwritten report in file provided from the store on the practice school he/she attended (not more than 40 pages). Along with the exams of semester VII, the report submitted by the student, knowledge and skills acquired by the student through practice school shall be evaluated by the subject experts and grade point shall be awarded.

Course of study for semester VII for Practice School

Course code	Name of the course	No. of hours per week	Credit points	
BP706PS	Practice School	12	6	

Schemes for internal assessments and end semester examinations

Continuous Mode Marks (Duration)	End Semester Exams Marks (Duration)	Total Marks
25 (Whole Semester Attendance)	125 (20 Min Each)	150



H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405

> Syllabus for Practice School Academic Year 2022-23 Semester VII (B Pharmacy)

Students Notice

Date: 04/07/2022

In the VII semester, every candidate shall undergo practice school for a period of 150 hours evenly distributed throughout the semester. The student should attend practice school under each domain as declared by the program committee from time to time. At the end of the semester, every student shall submit a **handwritten report** in file provided from the store on the practice school he/she attended (not more than 40 pages).

Along with the exams of semester VII, the report submitted by the student, knowledge and skills acquired by the student through practice school shall be evaluated by the subject experts and grade point shall be awarded.

Course of study for semester VII for Practice School

Course code	Course code Name of the course		Credit points	
BP706PS	Practice School	12	6	

Schemes for internal assessments and end semester examinations

Continuous Mode Marks (Duration)	End Semester Exams Marks (Duration)	Total Marks	
25 (Whole Semester Attendance)	125 (20 Min Each)	150	

Dr. D. A. Patil Practice School In-charge





Options for Practice School:

- 1) Prepare different modules in accordance with the subject domains and each student in groups must complete each of the modules.
 - Divide students in 5 Teams (15 stud in each) 12-15 modules (from the domains like: Pharma Chemistry, Pharmacognosy, Pharmaceutics, pharmacology, QA QC, artificial intelligence).
 - Weekly each teams will visit respective 4 modules.
- Allot the students in groups to individual faculty and complete the project. These projects could be screened at institute level and eligible groups would be sent for Avishkar competition.
 - The students have to report the teacher every day.
- Hands on experience on the instruments / equipment which are of importance in the industry. (HPLC, FT-IR, Dissolution, Diffusion, DSC, zeta sizer, Brookfield Texture Analyzer, Extruder and Spheronizer, Freeze Dryer).

Rules:

- 1) No repetition of regular experiments.
- 2) The students would submit the report of each module duly signed in the end of semester.



Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405

PO: Practice School

Student should be able to

CO:1 Meet the rapidly changing needs and challenges of a professional workplace

CO:2 Enable students to acquire learning by applying the knowledge and skills they possess, in unfamiliar, open-ended real-life situations

CO:3 Creates the required setting for experiential and cooperative learning and education, by providing students with an opportunity to work on relevant assignments, under the guidance of professional experts and under the supervision of faculty

CO:4 Serves as a platform that facilitates and promotes partnership and intellectual exchange between academia and industry.

PO: Project report:

Students should be able to

- CO1: demonstrate a sound technical knowledge of their selected project topic.
- CO2: undertake problem identification, formulation, and solution.
- CO3: design solutions to complex problems utilising a systems approach.

CO4: conduct pharmaceutical project.

CO5: communicate with engineers and the community at large in written an oral form.



Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405

Subject	SN	1) Pharmaceutics	2) Quality Assurance Quality Control	3) Pharmacognosy and Biotechnology	4) Pharmaceutical Chemistry	5) Pharamcology	6) Artificial intelligence
Domains for Practice Schools (1-6)	1	Improvement of dissolution characteristics of slightly soluble drug by Solid Dispersion technique (LRZ)	In process and finished product quality control tests for tablets {capsules, parenterals and semisolid dosage forms} (SNJ)	Demonstration of the Polymerase Chain Reaction Technique (CJB)	Fluorescence spectrometer- demonstration (ZGK)	In-vitro anti-inflammatory study and anti-oxidant study (PSB)	Importance of Artigficial Inteligence (MSS)
	2	To perform <i>In-vitro</i> dissolution profile of CR/ SR marketed formulation (DMP)	Quality control tests for Primary and secondary packaging materials (MRM)	Preparation and evaluation of herbal cosmetic (CJB)	Purification of organic compounds by; a) Prep TLC b) Column Chromatography (PBP)	Study of Biological Databases and Retrieval Systems (SKP)	Concept of Machine learning (MSS)
	3	Preparation and evaluation of Floating DDS (NRS)	Qualification of laboratory equipment like hardness tester, friablity tester (DDP)	Standardization of herbal formulation (REM)	Introduction to drug discovery and development process. Structure drawing (2D and 3D), protein structure selection and protein preparation. (DAP)	Calculate the total cost of prescription (SPD)	Machine learning of ligands (NDM)
Minimum seven experiments will be conducted from each domain	4	Development of nanosuspension using Probe Sonicator (GBP)	Qualification of manufacturing equipment like Tablet compression machine/Autoclave/capsule filling machine (VKC)	Isolation and characterization of caffeine from tea (REM)	FT-IR demonstration (PBP)	Case studies on adverse drug reactions and ways to detect and moniter (SKP)	Interpretation of FTIR, DSC graphs (MRM)
	5	Formulation & Evaluation of Microspheres / Microcapsules (RST)	Validation, Qualification and calibration. Correlation between them. Validation master plan (DMP)	Isolation of cellulose from plant material (NDM)	Purification of organic compounds by; a) Salt preparation, b) Acid base treatment (NPP)	Interpretation of laboratory tests-Biochemical, Hematological, immimogiobulins, cardiac markers, liver function tests, kidney function tests. (NDM)	Demostration of Origin software (NRS)
	6	Formulation & Evaluation of In-situ Gel (RST)	Design of Experiment@ Introduction (VKC)	Demonstration of Soxhlet extraction assembly (NPP)	Exploration of green catalyst for the synthesis of nanomaterials (POP)	Dosing in animals (oral, sc, ip, im) (PSB)	Artificial Intelligence in drug discovery and development (MSS)
	7	DoE Using Design Expert® Software (SNJ)	Regulatory agencies throughout world : FDA, their Role, GMP, cGMP (GBP)	Isolation of Eucalyptus oil by clavenger apparatus (VSB)	Hydrothermal reactor for the synthesis (ZGK)	Handing of experimental animals as per CPCSEA (SPD)	Demostration of Motic Microscopy (SPD)
					cate the modules to be condu		

Subject Domains and Modules Practice School



H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405

Subject	SN	1) Pharmaceutics	2) Quality Assurance Quality Control	3) Pharmacognosy and Biotechnology	4) Pharmaceutical Chemistry	5) Pharamcology	6) Artificial intelligence
Domains for Practice Schools (1-6) 1	Improvement of dissolution characteristics of slightly soluble drug by Solid Dispersion technique (LRZ)	In process and finished product quality control tests for tablets {capsules, parenterals and semisolid dosage forms} (SNJ)	Demonstration of the Polymerase Chain Reaction Technique (CJB)	Fluorescence spectrometer- demonstration (ZGK)	In-vitro anti-inflammatory study and anti-oxidant study (PSB)	Importance of Artigficial Inteligence (MSS)	
2		To perform <i>In-vitro</i> dissolution profile of CR/ SR marketed formulation (DMP)	Quality control tests for Primary and secondary packaging materials (MRM)	Preparation and evaluation of herbal cosmetic (CJB)	Purification of organic compounds by; a) Prep TLC b) Column Chromatography (PBP)		Concept of Machine learning (MSS)
3 evaluation	Preparation and evaluation of Floating DDS (NRS)	Qualification of laboratory equipment like hardness tester, friablity tester (DDP)	Standardization of herbal formulation (REM)	Introduction to drug discovery and development process. Structure drawing (2D and 3D), protein structure selection and protein preparation. (DAP)		Machine learning of ligands (NDM)	
Minimum seven experiments will be conducted from each domain	4	Development of nanosuspension using Probe Sonicator (GBP)	Qualification of manufacturing equipment like Tablet compression machine/Autoclave/capsule filling machine (VKC)	Isolation and characterization of caffeine from tea (REM)	FT-IR demonstration (PBP)	Case studies on adverse drug reactions and ways to detect and moniter (SKP)	Interpretation of FTIR, DSC graphs (MRM)
	5	Formulation & Evaluation of Microspheres / Microcapsules (RST)	Validation, Qualification and calibration. Correlation between them. Validation master plan (DMP)	Isolation of cellulose from plant material (NDM)	Purification of organic compounds by; a) Salt preparation, b) Acid base treatment (NPP)	Interpretation of laboratory tests-Biochemical, Hematological, immimogiobulins, cardiac markers, liver function tests, kidney function tests. (NDM)	Demostration of Origin software (NRS)
	6	Formulation & Evaluation of In-situ Gel (RST)	Design of Experiment@ Introduction (VKC)	Demonstration of Soxhlet extraction assembly (NPP)	Exploration of green catalyst for the synthesis of nanomaterials (POP)	Dosing in animals (oral, sc, ip, im) (PSB)	Artificial Intelligence in drug discovery and development (MSS)
	7	DoE Using Design Expert® Software (SNJ)	Regulatory agencies throughout world : FDA, their Role, GMP, cGMP (GBP)	Isolation of Eucalyptus oil by clavenger apparatus (VSB)	Hydrothermal reactor for the synthesis (ZGK)	Handing of experimental animals as per CPCSEA (SPD)	Demostration of Motic Microscopy (SPD)

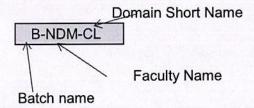
Subject Domains and Modules Practice School

*Sept: this background and font color indicate the modules to be conducted in Sept 2022.





Domain	Short Name
P'ceutics	PH
QAQC	QA
P'cog & BT	PB
Pharm Chem	PC
P'cology	CL
Art Intellig	AI



	Pract	tice School	Schedule	for Aug 2	022 (Rev)	
	Date				22-08-2022	29-08-2022
MONDAY		D-IMA	D-IMA	D-IMA	D-IMA	D-IMA
MONDAY					B-VKC-QA	A-NDM-CL
		NON MARKEN			C-CJB-PB	B-LRZ-PH
TUESDAY	Date				23-08-2022	30-08-2022
		E-IMA	E-IMA	E-IMA	E-IMA	E-IMA
TUESDAY					D-VKC-QA	A-VKC-QA
		i			C-PSB-CI	C-SNJ-QA
	Date				24-08-2022	31-08-2022
WEDNESDAY		B-IMA	B-IMA	B-IMA	B-IMA	B-IMA
					C-NRS-AI	E-GBP-PH
				12.134	D-DAP-PC	A-DAP-PC
	Date				25-08-2022	01-09-2022
		A-IMA	A-IMA	A-IMA	A-IMA	A-IMA
THURSDAY					E-NDM-CL	D-NDM-CL
					C-GBP-PH	B-GBP-PH
	Date				26-08-2022	02-09-2022
					B-SNJ-QA	A-LRZ-PH
FRIDAY		Sule for an		T. M. Lander	A-ZGK-PC	C-PSB-CI
					C-DAP-PC	E-DAP-PC
	Date				27-08-2022	03-09-2022
		C-IMA	C-IMA	C-IMA	C-IMA	C-IMA
SATURDAY					A-RST-PH	E-RST-PH
			Sec. 1. Sec. Sec.		E-PSB-CI	B-PSB-CI

Note: All the modules given by the individual staffs will be covered during whole semester. This is the shcedule for only Aug 2022.





Domain	Short Name		P	Practice Sch	nool Sched	ule for Oct	2022	
P'ceutics	PH		Date		03-10-2022	10-10-2022	17-10-2022	24-10-2022
QAQC	QA	MONDAY	17243		D-IMA	D-IMA	D-IMA	D-IMA
P'cog & BT	PB	MONDAY				A-VKC-QA	E-VKC-QA	
Pharm Chem	PC					B-NPP-PC	A-NPP-PC	
P'cology	CL		Date		04-10-2022	11-10-2022	18-10-2022	25-10-2022
Art Intellig	AI	TUESDAY			E-IMA	E-IMA	E-IMA	E-IMA
		TUESDAY			B-VKC-QA	C-VKC-QA		
					A-MRM-QA			
			Date		05-10-2022	12-10-2022	19-10-2022	26-10-2022
		WEDNESDAY			B-IMA	B-IMA	B-IMA	B-IMA
Dop	aain Short Name				C-MRM-QA	E-MRM-QA		
B-NDM-CL					D-VKC-QA			Street Hard And
1 M		THURSDAY	Date		06-10-2022	13-10-2022	20-10-2022	27-10-2022
	aculty Name				A-IMA	A-IMA	A-IMA	A-IMA
Batch name					D-NPP-PC	E-NPP-PC	C-NPP-PC	
			Date		07-10-2022	14-10-2022	21-10-2022	28-10-2022
		FRIDAY			D-MRM-QA	B-MRM-QA		
	SATURDAY		Date	01-10-2022	08-10-2022	15-10-2022	22-10-2022	29-10-2022
				C-IMA	C-IMA	C-IMA	C-IMA	C-IMA

Note: All the modules given by the individual staffs HAVE BEEN DISTRIBUTED during Previous months. If any PS was missed can be be covered in this month by mutual understanding with students.





Domain	Short Name	
P'ceutics	PH	
QAQC	QA	
P'cog & BT	PB	
Pharm Chem	PC	
P'cology	CL	
Art Intellig	AI	

ne

Batch name

	P	ractice Sch	lool Sched	ule for Sep	t 2022	
	Date		05-09-2022	12-09-2022	19-09-2022	26-09-2022
MONDAY		D-IMA	D-IMA	D-IMA	D-IMA	D-IMA
			C-SNJ-PH	A-SNJ-PH	B-SNJ-PH	E-SNJ-PH
			A-REM-PB	B-REM-PB	E-REM-PB	C-REM-PB
	Date		06-09-2022	13-09-2022	20-09-2022	27-09-2022
TUESDAY		E-IMA	E-IMA	E-IMA	E-IMA	E-IMA
			A-MRM-AI	B-MRM-AI	D-DDP-QA	B-DDP-QA
			B-SKP-CL	D-REM-PB	B-PSB-CL	A-PSB-CL
WEDNESDAY	Date		07-09-2022	14-09-2022	21-09-2022	28-09-2022
		B-IMA	B-IMA	B-IMA	B-IMA	B-IMA
			C-NRS-PH	D-NRS-PH	E-NRS-PH	A-NRS-PH
			A-PBP-PC	C-PBP-PC	D-PBP-PC	E-PBP-PC
	Date	01-09-2022	08-09-2022	15-09-2022	22-09-2022	29-09-2022
		A-IMA	A-IMA	A-IMA	A-IMA	A-IMA
THURSDAY		D-NDM-CL	D-SKP-CL	E-SKP-CL	D-PSB-CL	C-PSB-CL
		C-GBP-PH	B-POP-PC	D-POP-PC	C-POP-PC	E-POP-PC
	Date	02-09-2022	09-09-2022	16-09-2022	23-09-2022	30-09-2022
		A-LRZ-PH	D-SNJ-PH	A-POP-PC	C-DDP-QA	
FRIDAY		C-PSB-CI	B-NRS-PH	C-SKP-CL	E-PSB-CL	Sand Special
		E-DAP-PC	C-MRM-AI	D-MRM-AI	D-DMP-QA	E-DMP-QA
	Date	03-09-2022	10-09-2022	17-09-2022	24-09-2022	01-10-2022
		C-IMA	C-IMA	C-IMA	C-IMA	C-IMA
SATURDAY		E-RST-PH	B-PBP-PC	A-SKP-CL	A-DDP-QA	
		B-PSB-CI	E-MRM-AI	E-DDP-QA		1.

Note: All the modules given by the individual staffs will be covered during whole semester. This is the shcedule for only Sept 2022.



BO H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist Dhule(M.S) 425 405

Final Year B Pharmacy

(2022-23)

Sr.	Roll No.	Student Name	Practical Batches
1	1	AHIRE RAHUL SANJAY	
2	2	ANDHALE GOVIND KRUSHNA	
3	3	BAGUL DHIRAJKUMAR RAVINDRA	
4	4	BARI KSHITIJ SANJAYKUMAR	
5	5	BARI VIDYA RAJENDRA	and the second
6	6	BAVA MAYURI MAHENDRA	E S Association
7	7	BAVISKAR AJIT VASANT	
8	8	BHADANE NIKITA HEMANT	
9	9	BHAMARE ASHWINI NARENDRA	atia manana ati
10	10	BHANDORE SOHAM SANTOSH	
11	11	BHARTI SARANG DIPAK	A Datah
12	12	BHOI KOMAL ASHOK	A Batch
13	13	BORADE HITESH SANJAY	
14	14	BORASE PUJA SHIVAJI	
15	15	BORSE RUTUJA SHAMKANT	
16	16	CHAUDHARI DARSHAN VISHNU	
17	17	CHAUDHARI DEVESH RAVINDRA	
18	18	CHAUDHARI HINA AMBALAL	
19	19	CHAUDHARI JAYESH NARAYAN	
20	20	CHAUDHARI KOMAL SANJAY	
21	21	CHAUDHARI MAYURI KISHOR	
22	22	CHAUDHARI RENUKA SOPAN	
23	23	CHAUDHARI SAKSHI RAVINDRA	
24	24	CHAUDHARI SHITAL GURUDAS	
25	25	DAUND PRASAD KALYAN	
26	26	DESHMUKH RUCHIKA VILAS	
27	27	DHAMANE TEJAS SUNIL	
28	28	DHANDE PRIYANKA PRAMOD	
29	29	DHUMAL KRUTIKA RAJESH	
30	30	FULARI SHREYAS LAXMAN	B Batch
31	31	GANGURDE PRINSI SURESH	
32	32	GAVALE HARSHADA RAJENDRA	
33	33	GAVIT KALPANA RAJU	
34	34	GHONGADE SOMNATH BHAUSAHEB	
35	35	GIRASE SUSHANTSING SURENDRASING	
36	36	GUJAR KALYANI MACCHINDRA	
37	37	HIRE DINESH DN ANESHWAR	





C Batch
C Batch
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D Batch



	PATIL PRAJAKTA DHARMENDRASING	26	81
	PATIL PRATIK GOKUL	27	82
	PATIL SAMADHAN SHIVAJI	28	83
	PATIL SUJIT RAJENDRA	29	84
	PATIL SWATI YUVRAJ	30	85
	PATIL UJWALA DILIP	31	86
	PATIL UMESH SAMADHAN	32	87
	PATIL YOGESH BHAGWAN	33	88
	PATIL YOGRAJ VILAS	34	89
	PATNI SAMMYAK AJIT	35	90
	PAWAR KIMAYA CHANDRAKANT	36	91
	PAWAR MOHAN MADHUKAR	37	92
	SALUNKE RAJESHWARI GOKUL	38	93
	SALUNKHE ROHIT BHAGWAT	39	94
	SALUNKHE SWAPNIL SURESH	40	95
	SAMDADIYA JINESH RAJKUMAR	41	96
	SANDHANSHIVE AMIT DHIRENDRA	42	97
	SANER ASHWINI KISHOR	43	98
E Batc	SHAIKH NAFEES AKHATAR SHAIKH LAEEK AKHATAR	44	99
	SHAIKH SHAHID MUKHTAR	45	100
	SHINKAR ABHISHEK RAVINDRA	46	101
	SONAWANE DARSHAN SUDHAKAR	47	102
	SONI AKSHAD KISHOR	48	103
	SURYAWANSHI MANISH UDAY	49	104
	SWAMI KIRAN SOMNATH	50	105
	TAYADE MOHINI SANJAY	51	106
	THAKARE MANASI RAJENDRA	52	107
	VALVI APURV MANISH	53	108
	WADILE KUNAL DAGA	54	109
	WANKHEDE YUKTA SUNIL	55	110

A Div = Roll number 1-55, B Div = Roll number 56-110



H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405

2022-2023

SR. NO.	DATE	NAME OF THE EXPERIMENT	PAGE	REMARKS
1.	22/20/20	Handling OF Experimental	1-8	o ve
		Animal as per crosea		forthe
2.	11/07/22	DEMONSKAOHON OF Fluorescence	8-10	e->
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3.	1307/22	Ditteaent aonte or aquiviztaa-	11-18	nee
		tion in preactical animal		- Internet
4 ·	14 07 22	Demonstration of the polymerrose	19-29	PSL
	•	chain reaction Technique.		-
5.	16/07/22	Importance of Artificion Intelligence	23-29	(M)
		Intelligence		<u> </u>
6.	22/08/22	Hypothermol Greactor For	30-34	0
		Hypothermol reactor For the synthesis		· · · · · · · · · · · · · · · · · · ·
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RCP STUDENT'S CO-OP. STORES, SHIRPUR



M. R. Patel Institute of Pharmaceutical Education & Research, Shirpur Dist Dhute (M S.) 425 404

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10) 03/09/22 Interpres - tests - Biochemica immunogla liver Fun	Hution of lobo 11, theematoge bin, curdiac	oratozy !		1
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11) 08/09/22 Study OF	Biological Da	Habase 1	67-72	Ball
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12) 08/09/22 Explore			73-76	-()
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H. R. Patel Institute of Pharmaceuticar Education & Research, Chirpur Dist Dhuie (M S.) 425 405

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SR. NO.	DATE	NAME OF THE EXPERIMENT	PAGE	REMARKS
17.	27/09/22	QUALIFICUHION OF LABORATORY Equipment	101-	Wit
18	04/10/22	Design of Expensionents	104-	E
19.	اماام	To puziFy organic compound by acid-base trreatment & Salt Formation method.	108-	R
20.	19/10/22	coudlity control test For primary & secondary packaging material.	111 — 11 <u>9</u>	22
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Report

Submitted to

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement

During Semester VII

For the Degree of

BACHELOR OF PHARMACY

By

Mr. Dinesh Dnyaneshwar Hire

Course code: BP706PS

Name of the course: Practice School

Total Duration: 150 Hours

Academic Year

2022-23





17

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur - 425 405



This is to certify that this report is prepared by *Mr. Dinesh Dnyaneshwar Hire* The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The above-named student has attended the sessions for the practice school during the Semester VII and submitted this report in the first term of academic year 2022-2023.

Dr. Dilip A. Patil

Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Prof. Dr. S. B. Ba

H.R. Patel Single Antonio Anto

Education and Research, Shirpur

Place: Shirpur Date: / /20

External Examiner





Report

Submitted to

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement

During Semester VII

For the Degree of

BACHELOR OF PHARMACY

By

Mr. Shubham Bhausaheb Jadhav

Course code: BP706PS

Name of the course: Practice School

Total Duration: 150 Hours

Academic Year

2022-23

Shirpur Education Society's

H. R. Patel Institute of Pharmaceutical Education and Research, Shirphy - 425 405

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H.R Patel Institute of Pharmaceutical Education & Research

Shirpur Dist.Dhule(M.S) 425 405



This is to certify that this report is prepared by **Mr. Shubham Bhausaheb Jadhav** The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The above-named student has attended the sessions for the practice school during the Semester VII and submitted this report in the first term of academic year 2022-2023.

Dr. Dilip A. Patil

Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur Prof. Dr. S. B. Bari

Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur Date: 19 / 11 /2022

External Examiner





Report

Submitted to

Kavayitri Bahinabai Chaudhari

North Maharashtra University,

Jalgaon, Maharashtra

In Partial Fulfillment of the Requirement

During Semester VII

For the Degree of

BACHELOR OF PHARMACY

By

Ms. Kajol Sanjay Ingale

Course code: BP706PS

Name of the course: Practice School

Total Duration: 150 Hours

Academic Year

2022-23

Shirpur Education Society's

H. R. Patel Institute of Pharmaceutical Education

and Research, Shirpur, 425 405

OFFICE SEAL

1



This is to certify that this report is prepared by *Ms. Kajol Sanjay Ingale* The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The above-named student has attended the sessions for the practice school during the Semester VII and submitted this report in the first term of academic year 2022-2023.

20

Dr. Dilip A. Patil
Practice School In-charge
H. R. Patel Institute of Pharmaceutical
Education and Research, Shirpur

Place: Shirpur Date: 19 / 11 /20 22 A Prantis State

PRINCIPAtipal H.R. Patel Institute of Pharmaceutical H. R. Patel Institute of Pharmaceutical Shirpur Dist.Dhule(M.S) 425 405 Education and Research, Shirpur

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External Examiner





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Report

Submitted to

Kavayitri Bahinabai Chaudhari

North Maharashtra University,

Jalgaon, Maharashtra

In Partial Fulfillment of the Requirement

During Semester VII

For the Degree of

BACHELOR OF PHARMACY

By

Mr. Chetan BhalchandraPatil

Course code: BP706PS

Name of the course: Practice School

Total Duration: 150 Hours

Academic Year





H. R. Patel Institute of Pharmaceutical Education

and Research, Shirpur - 425 405



This is to certify that this report is prepared by *Mr.Chetan BhalchandraFatil* The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The above-named student has attended the sessions for the practice school during the Semester VII and submitted this report in the first term of academic year 2022-2023.

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18/11/20

Dr. Dilip A. PatilPractice School In-chargeH. R. Patel Institute of PharmaceuticalEducation and Research, Shirpur

Prof. Dr. S. B. Bari Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur Date: 18/11/2022

External Examiner

PRINCIPAL H.R. Patel Institute of Pharmaceutical Education & Research Dentpur, Dist. Dhule(M.S) 425 405

Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405

Report

Submitted to

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement

During Semester VII

For the Degree of

BACHELOR OF PHARMACY

By

Ms. Yukta Sunil Wankhede

Course code: BP706PS

Name of the course: Practice School

Total Duration: 150 Hours

Academic Year

2022-23

Shirpur Education Society's

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur - 425 405



H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405



This is to certify that this report is prepared by *Ms. Yukta Sunil Wankhede* The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The above-named student has attended the sessions for the practice school during the Semester VII and submitted this report in the first term of academic year 2022-2023.

Dr. Dilip A. Patil

Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur



Education and Research, Shirpur

Place: Shirpur Date: / /20

422 **External Examiner**





Report

Submitted to

Kavayitri Bahinabai Chaudhari

North Maharashtra University,

Jalgaon, Maharashtra

In Partial Fulfillment of the Requirement

During Semester VII

For the Degree of

BACHELOR OF PHARMACY

By

Mr./Ms. VALVLI APURV MANISH

Course code: BP706PS

Name of the course: Practice School

Total Duration: 150 Hours

Academic Year

2022-23

Shirpur Education Society's

H. R. Patel Institute of Pharmaceutical Education

and Research, Shirpur - 425 405







This is to certify that this report is prepared by *Mr. A. VALVLI APURV MANISH* The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The above-named student has attended the sessions for the practice school during the Semester VII and submitted this report in the first term of academic year 2022-2023.

Dr. Dilip A. Patil
Practice School In-charge
H. R. Patel Institute of Pharmaceutical
Education and Research, Shirpur

Place: Shirpur Date: / /20__

Prof. Dr. S. B. Bari

H. R. Patel Institute of Pharmaceutica. H. R. Patel Institute of Pharmaceutical arch Shirpur Dist.Dhule(M.S) 425 405 Education and Research, Shirpur

External E



Report

Submitted to

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement

During Semester VII

For the Degree of

BACHELOR OF PHARMACY

By

Ms. Manasi Rajendra Thakare

Course code: BP706PS

Name of the course: Practice School

Total Duration: 150 Hours

Academic Year

2022-23

Shirpur Education Society's

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur - 425 405

> H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405



This is to certify that this report is prepared by *Ms. Manasi Rajendra Thakare* The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The above-named student has attended the sessions for the practice school during the Semester VII and submitted this report in the first term of academic year 2022-2023.

Dr. Dilip A. Patil

Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur



Education and Research, Shirpur

Place: Shirpur Date: / /20

O2L External Examiner





Report

Submitted to

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement

During Semester VII

For the Degree of

BACHELOR OF PHARMACY

By

Mr./Ms. Tayade Mohini Sanjay

Course code: *BP706PS* Name of the course: *Practice School*

Total Duration: 150 Hours

Academic Year

2022-23

Shirpur Education Society's

H. R. Patel Institute of Pharmaceutical Education

and Research, Shirpur - 425 405



H.R Patel Institute ducation & Research

Shirpur Dist.Dhule(M.S) 425 405



This is to certify that this report is prepared by Mr./Ms. <u>Tayade Mohini Sanjay</u>. The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The above-named student has attended the sessions for the practice school during the Semester VII and submitted this report in the first term of academic year 2022-2023.

Dr. Dilip A. Patil Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur Date: / /20___ Prof. Dr. S. B. Bari PRINCIPAL H.R Patel Institute of Phildmaceutical Education & Research H. R. Patel Institute of Phildmaceutical Education & Research H. R. Patel Institute of Phildmaceutical

Education and Research, Shirpur

External Examiner



PRINCIPAL H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405

Report

Submitted to

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY

By

Ms. Kiran Somnath Swami

Course code: *BP706PS* Name of the course: *Practice School* Total Duration: *150 Hours*

Academic Year

2022-23

Shirpur Education Society's

H. R. Patel Institute of Pharmaceutical Education

and Research, Shirpur - 425 405







This is to certify that this report is prepared by Ms. Kiran Somnath SwamiThe practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The above-named student has attended the sessions for the practice school during the Semester VII and submitted this report in the first term of academicyear 2022-2023.

Dr. Dilip

Place: Shirpur

Date: / /20

Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur Prof. Dr. S. B. Bari PRINCIPAL H.R. Patel Institute of Pherimadulical Education & Research H. R. Patel Institution OBharmane control and os

Education and Research, Shirpur

External Examiner

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Report

Submitted to

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement

During Semester VII

For the Degree of

BACHELOR OF PHARMACY

By

Mr. Shaikh Shahid Mukhtar

Course code: BP706PS

Name of the course: Practice School

Total Duration: 150 Hours

Academic Year

2022-23

Shirpur Education Society's H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur - 425 405

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SEAL

H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405



This is to certify that this report is prepared by *Mr. Shaikh Shahid Mukhtar* The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The above-named student has attended the sessions for the practice school during the Semester VII and submitted this report in the first term of academic year 2022-2023.

Dr. Dilip A. Patil

Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

armaceutical esearch

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur Date: / /20

External Examiner





Report

Submitted to

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement

During Semester VII

For the Degree of

BACHELOR OF PHARMACY

By

Mr. Shaikh Nafees Akhatar Shaikh Laeek Akhatar

Course code: BP706PS

Name of the course: Practice School

Total Duration: 150 Hours

Academic Year

2022-23

Shirpur Education Society's

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur - 425 405



H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405



This is to certify that this report is prepared by *Mr. Shaikh Nafees Akhatar Shaikh Laeek Akhatar* The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The above-named student has attended the sessions for the practice school during the Semester VII and submitted this report in the first term of academic year 2022-2023.

Dr. Dilip A. Patil

Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Prof. Dr. S. B. Bari

PRIVICIPAL H.R. Patel Institute of Pharmaceutical H. R. Patel Institute of Pharmaceutical Shirpur Dist.Dhule(M.S) 425 405 Education and Research, Shirpur

Place: Shirpur Date: / /20

External Examiner





Report

Submitted to

Kavayitri Bahinabai Chaudhari

North Maharashtra University,

Jalgaon, Maharashtra

In Partial Fulfillment of the Requirement

During Semester VII

For the Degree of

BACHELOR OF PHARMACY By

Ms. Ashwini Kishor Saner

Course code: BP706PS

Name of the course: Practice School

Total Duration: 150 Hours

Academic Year

2022-23

Shirpur Education Society's

H. R. Patel Institute of Pharmaceutical Education

and Research, Shirpur - 425 405

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H.R Patel Institute of Pharmaceutical

Education & Research



This is to certify that this report is prepared by Ms. Ashwini Kishor Saner The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The above-named student has attended the sessions for the practice school during the Semester VII and submitted this report in the first term of academicyear 2022-2023.

Dr. Dilip A

Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur H.R. Patel Institute of Pincipadutical Education & Research H. R. Patel Institute of Pincipadutical Education & Research

Education and Research, Shirpur

Place: Shirpur Date: 14/ 11/20_22

20 External Examiner



PRINCIPAL H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405

Report

Submitted to

Kavayitri Bahinabai Chaudhari

North Maharashtra University,

Jalgaon, Maharashtra

In Partial Fulfillment of the Requirement

During Semester VII

For the Degree of

BACHELOR OF PHARMACY

By

Mr.Manish Uday Suryawanshi

Course code: BP706PS

Name of the course: Practice School

Total Duration: 150 Hours

Academic Year

2022-23

Shirpur Education Society's

H. R. Patel Institute of Pharmaceutical Education

and Research, Shirpur - 425 405

H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405



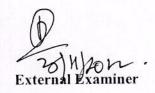
This is to certify that this report is prepared by *Mr.Manish Uday Suryawanshi* The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The above-named student has attended the sessions for the practice school during the Semester VII and submitted this report in the first term of academic year 2022-2023.

A

Dr. Dilip A. PatilPractice School In-chargeH. R. Patel Institute of PharmaceuticalEducation and Research, Shirpur

Place: Shirpur Date: **|8**/11 /20**22** Prof. Dr. S. B. Bari PRINCIPAL H.R. Patel institute of Philiphaceutical Education & Research H. R. Patel Instituterof Dermaceutical Education & Research

Education and Research, Shirpur





PRINCIPAL H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405

Report

Submitted to

Kavayitri Bahinabai Chaudhari

North Maharashtra University,

Jalgaon, Maharashtra

In Partial Fulfillment of the Requirement

During Semester VII

For the Degree of

BACHELOR OF PHARMACY

By

Mr./Ms. SONI AKSHAD KISHOR

Course code: BP706PS

Name of the course: Practice School

Total Duration: 150 Hours

Academic Year

2022-23

Shirpur Education Society's H. R. Patel Institute of Pharmaceutical Education

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and Research, Shippur - 425 405 H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405



This is to certify that this report is prepared by Mr./Ms. SONI AKSHAD KISHOR

The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The above-named student has attended the sessions for the practice school during the Semester VII and submitted this report in the first term of academic year 2022-2023.

Dr. Dilip A. Patil
Practice School In-charge
H. R. Patel Institute of Pharmaceutical
Education and Research, Shirpur

H.R Patel Institute O

H. R. Patel Institute of Distance utcals

Education and Research, Shirpur

Examiner External



2

Place: Shirpur Date: 18/11/2022



Report

Submitted to

Kavayitri Bahinabai Chaudhari

North Maharashtra University,

Jalgaon, Maharashtra

In Partial Fulfillment of the Requirement

During Semester VII

For the Degree of

BACHELOR OF PHARMACY

By

Mr./Ms. SONAWANE DARSHAN SUDHAKAR

Course code: BP706PS

Name of the course: Practice School

Total Duration: 150 Hours

Academic Year

2022-23

Shirpur Education Society's

H. R. Patel Institute of Pharmaceutical Education

and Research, Sharpur - 425 405

SEA

H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405



This is to certify that this report is prepared by Mr./Ms. SONAWANE DARSHAN SUDHAKAR

The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The above-named student has attended the sessions for the practice school during the Semester VII and submitted this report in the first term of academic year 2022-2023.

21/11/22 Dr. Dilip A. Patil

Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Patel Institute o dical Education & Research H. R. Patel Institute of Pharmaeethicat

Education and Research, Shirpur

Place: Shirpur Date: 21/11 /20 22

External Examiner





Report

Submitted to

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement

During Semester VII

For the Degree of

BACHELOR OF PHARMACY

By

Mr. Abhishek Ravindra Shinkar

Course code: BP706PS

Name of the course: Practice School

Total Duration: 150 Hours

Academic Year

2022-23

Shirpur Education Society's

H. R. Patel Institute of Pharmaceutical Education



PRI

pur Dist.Dhule(M.S) 425 405



This is to certify that this report is prepared by Mr. Abhishek Ravindra Shinkar The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The above-named student has attended the sessions for the practice school during the Semester VII and submitted this report in the first term of academicyear 2022-2023.

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Dr. Dilip A. Patil Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

B. Bari H.R Patel Institute of P harmaceutical

H. R. Patel Institute of Charmen and States

Education and Research, Shirpur

Place: Shirpur Date: / /20___

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PRINCIPAL H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405

Report

Submitted to

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement

During Semester VII

For the Degree of

BACHELOR OF PHARMACY

By

Mr. Amit Dhirendra Sandhanshive

Course code: BP706PS

Name of the course: Practice School

Total Duration: 150 Hours

Academic Year

2022-23

Shirpur Education Society's

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur - 425 4050

OFFICE

SEAL

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1

H.R Patel Institute of Pharmaceutical

Education & Research Shirpur Dist.Dhule(M.S) 425 405



This is to certify that this report is prepared by *Mr*. *Amit Dhirendra Sandhanshive* The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The above-named student has attended the sessions for the practice school during the Semester VII and submitted this report in the first term of academic year 2022-2023.

Dr. Dilip A. Patil

Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur



H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur Date: 18/ 11/2022

External Examiner





Report

Submitted to

Kavayitri Bahinabai Chaudhari

North Maharashtra University,

Jalgaon, Maharashtra

In Partial Fulfillment of the Requirement

During Semester VII

For the Degree of

BACHELOR OF PHARMACY By

Mr. Aashay Devendra Patil

Course code: BP706PS

Name of the course: Practice School

Total Duration: 150 Hours

Academic Year

2022-23

Shirpur Education Society's

H. R. Patel Institute of Pharmaceutical Education

and Research, Shirpur - 425 405



H.R Palet Institute of Pharmaceutical Education & Research

Shirpur Dist.Dhule(N



This is to certify that this report is prepared by Mr. Aashay Devendra Patil The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The above-named student has attended the sessions for the practice school during the Semester VII and submitted this report in the first term of academic year 2022-2023.

Place: Shirpur

Date: / /20

Dr. Dilip A. Patil Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur Prof. Dr. S. B. Bari Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

External niner XAI





Report

Submitted to

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement

During Semester VII

For the Degree of

BACHELOR OF PHARMACY

By

Mr. Jinesh Rajkumar Samdadiya

Course code: BP706PS

Name of the course: Practice School

Total Duration: 150 Hours

Academic Year

2022-23

Shirpur En cation

armaceutical Patel Institute Education & Research Shirpur Dist.Dhule(M.S) 425 405

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur - 425 405



This is to certify that this report is prepared by *Mr. Jinesh Rajkumar Samdadiya* The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The above-named student has attended the sessions for the practice school during the Semester VII and submitted this report in the first term of academic year 2022-2023.

2/11/22

Dr. Dilip A. Patil Practice School In-charge

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur



Education and Research, Shirpur

Place: Shirpur Date: 2 1 / 18 /20 22

External Examiner





Report

Submitted to

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII

For the Degree of

BACHELOR OF PHARMACY By

Mr. Swapnil Suresh Salunkhe

Course code: BP706PS

Name of the course: Practice School

Total Duration: 150 Hours

Academic Year

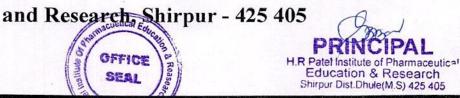
2022-23

Shirpur Education Society's

H. R. Patel Institute of Pharmaceutical Education

OFFICE

SEAL





This is to certify that this report is prepared by Mr. Swapnil Suresh SalunkheThe practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The above-named student has attended the sessions for the practice school during the Semester VII and submitted this report in the first term of academicyear 2022-2023.

Dr.

Place: Shirpur

Date: / /20

Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

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Education & Research H. R. Patel Instante of Planmaceuticalos

Education and Research, Shirpur

External Examiner

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PRINCIPAL H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405-



President : Shri Amrishbhai R. Patel M.L.A.

Principal : Dr. S. B. Bari M.Pharm. Ph.D., D.I.M.F.J.C.

NOTICE

Dear Final Year B. Pharm Students,

Please be reminded of the final project requirement for the successful completion of your B. Pharm program.

The project details are as follows:

- Undertake a project related to your chosen elective subject in semester VIII.
- Submit a typed and bound project report in triplicate, consisting of a minimum of 25 pages.
- Evaluation will be conducted in groups of up to four members.

Submission Deadline: [18/04/2023]

Ensure academic integrity throughout the project. Plagiarism or any form of dishonesty will have serious consequences.

For any clarifications, contact your project supervisors.



Dr. N. R. Shirsath/ Dr. Rahul S. Tade **Project Work In-charge**



PRINCIPAL H. R. Patel Institute of Pharmaceutecal Education & Research, Starpur Dist Dihute (M.S.) 425 405

Final Year B. Pharmacy (SEM VIII): Project Guide Allotment Guidelines

Guidelines by PCI:

- All the students shall undertake a project under the supervision of a teacher and submit a report.
- The area of the project shall directly relate any one of the elective subject opted by the student in semester VIII.
- The project report shall be submitted in triplicate (typed & bound copy not less than 25 pages).
- Students shall be evaluated in groups for their project conducted.

Particulars	Inference	Marks	
Objective	15		
Methodology adopted	Use of innovative methods	20	
Results and Discussions	Outcome based results and discussion	20	
Conclusions and Outcomes	Outcome in the form of Paper, Patents, etc.	20	
Total Marks =		75	

Projects shall be evaluated as per the marks criteria given below:

Note: As per the directives of the respected Principal Sir, given are the objectives that are anticipated for a fruitful outcome from the project allotted to the students by their respective guides.

General Instructions:

- 1. Implementation and awareness among students were related to the recent advancements in the subjects (if the project focused on elective subjects).
- 2. Students could be introduced and motivated for field work, adaptation of novel methodologies, and literature reviews.
- 3. Serious efforts and constant monitoring by guides will be there.
- 4. According to the progress of projects and responses from the students, a review or research paper publication is anticipated.





PROJECT GUIDE NAME	STUDENT NAME		PROJECT GUIDE NAME	STUDENT NAME	
Dr.P.O.Patil	Patil Ashay Devendra	Hire Dinesh	Mr. Mahendra R.	Ahire Rahul Sanjay	Patil Divya Dipak
		Dnyaneshwar	Mahajan	Borade Hitesh Sanjay	Sonawane Darshan Sudhakar
Dr.L.R.Zawar	Pardeshi Nikita Vinod	Kulkarni Kunal Vikasrao		Chaudhari Renuka Sopan	Patil Chetan Dnyaneshwar
Ambalal Chaudhari S Ravindra	Ambalal	Patil Yogesh Bhagwan	Mr.Patil Deepak Manohar	Baviskar Ajit Vasant	Bhamare Ashwini Narendra
	Ravindra	Sanjay		Patel Vaibhavi Rakesh	Ingale Kajal Sanjay
	Kishor			Gujar Kalyani Macchindra	Kureshi Muskan Khalil
R	Bagul Dhirajkumar Ravindra	Swami Kiran Somnath	Mr.Pawar Narayan Puran	Chaudhari Shital Gurudas	Fulari Shreyas Laxman
	Borase Puja Shivaji	Sandhanshive Amit Dhirendra		Daund Prasad Kalyan	Patil Sujit Rajendra
Heman Patil Ha	Bhadane Nikita Hemant	Patil Mayuri Sharad	Mr. Bagul Vishal Suresh	Shaikh Nafees Akhatar Shaikh Laeek Akhatar	Patni Sammyak Ajit
	Patil Harshal Suresh Mali Ganesh Naval		Gavale Harshada Rajendra	Marathe Bhagyashree Govind	
				Shinkar Abhishek Ravindra	More Nitin Kishor
	DI IV IIII			Patil Nikita Pravin	Shaikh Shahid Mukhtar
Mr.C.J.Bhavsar	Bhoi Komal Ashok	Koli Kanchan Devidas	Dr. Tade Rahul Shankar	Suryawanshi Manish Uday	Tayade Mohini Sanjay
		ishnu Sunil		Patil Chetan Bhalchandra	Wankhede Yukta Sunil
				Patil Akshada Kantilal	Patil Aishwarya Pramod
V	Deshmukh Ruchika Vilas	Patil Umesh Samadhan	Ms.Rajshri Tarachand Dhole	Nere Vrushali Chhotu	Ghongade Somnath Bhausaheb
	Patil Jagruti Vikas	Patil Jayesh Ratilal		Khairnar Sagar Amrut	Patil Pallavi Ramkrishna



PRINCIPAL H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405

Dr. Zamir G.Khan	Bari Kshitij Sanjaykumar	Girase Sushantsing Surendrasing	g Ms. Asama Yunus Pathan	Patil Dipali Sopan	Mahajan Amol Kailas
	Bhandore Soham Santosh	Pawar Kimaya Chandrakant	Jadhav Shubham Bhausaheb	Soni Akshad Kishor	
	Gangurde Prinsi Suresh	Patel Mayuri Vasant			
Mr. Prashant Patil	Patil Harshal Ramchandra	Pawar Mohan Madhukar	Mr. Ketan Barku Patil	Dhande Priyanka Pramod	Valvi Apurv Manish
	Patil Manoj Suresh Gavit Kalpana Raju	Patil Swati Yuvraj		Samdadiya Jinesh Rajkumar	Mahajan Rushikesh Dinesh
Mr. Shaktipal Patil	Patil Ujwala Dilip	Dhumal Krutika Rajesh	Mr. Shoheb Mahammad Manyar	Patil Gaurav Prakash	Patil Kunal Dinesh
	Salunkhe Swapnil Suresh	Saner Ashwini Kishor		Patil Hemant Sanjay	Patil Samadhan Shivaji
Mr. Swapnil Nitin Jain	Bava Mayuri Mahendra	Borse Rutuja Shamkant	Ms. Harsha Tulshiram Jadhav	Andhale Govind Krushna	Salunkhe Rohit Bhagwat
	Bharti Sarang Dipak	Mahajan Prashant Ashok		Patil Prajakta Dharmendrasing	Thakare Manasi Rajendra
Mr. Matin Salim Shaikh	Chaudhari Devesh Ravindra	Patil Minal Nareshrao	Mr. Pratap Dabhade	Chaudhari Jayesh Narayan	Nikam Swapnali Yuvraj
	Patil Yograj Vilas	Patil Pratik Gokul		Dhamane Tejas Sunil	Wadile Kunal Daga
	Salunke Rajeshwari Gokul	Patil Mayuri Vasant			
Dr.Nitin Rajendra	Bari Vidya Rajendra	Jain Tejas			
Shirsath		Prashantkumar			
	Patil Aditya Vasantrao	Pakhale Pranav Vilas			
	Patil Dipak Dhanraj	Mahajan Pranjalee Gopal			



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Project Work Report

Formulation and Characterisation of Bicalutamide Loaded Polymeric Microcapsules.

Submitted to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra



In Partial Fulfilment of the Requirement of During VIII Semester

For the Degree of

BACHELOR OF PHARMACY

By

Mr. Chetan Bhalchandra Patil Mr.Manish Uday Suryawanshi

Course code: BP812PW Name of the course: Project Work Total Duration: 180 Hours



The Shirpur Education Society's H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur - 425 405

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H.R Patel Institute of Pharmaceutica: Education & Research Shirpur Dist.Dhule(M.S) 425 405

Academic Year 2022-23



ENDORSEMENT BY THE PRINCIPAL

This is to certify that this Project Work report is prepared by Mr. Chetan Bhalchandra Patil, Mr.Manish Uday Suryawanshi, under guidance of Dr.Rahul S. Tade, Assistant Professor, Department of Pharmaceutics. The Project Work report is required to be in partial fulfillment of the requirements for the degree of Bachelor of Pharmacy. The student has attended and submitted this Project Work report during the VIII semester in the second term of academic year 2022-2023.

Place: Shirpur

Date: / /

Prof. Dr H.R. Patel Institute cipalina ceutical

H.R Patel Institute Construction Education & Research Shirpur Dist.Dhule(M.S) 425 405



PRINCIPAL H.R. Patel Institute of Pharmaceutical



ENDORSEMENT BY THE GUIDE

This is to certify that this Project Work report entitled <u>Formulation and Characterization</u> of <u>Bicalutamide Loaded Polymeric Microcapsules</u>, is a bonafide and genuine research work carried out by <u>Mr. Chetan Bhalchandra Patil, Mr. Manish Uday Suryawanshi</u>. The Project Work report is required to be in partial fulfillment of the requirements for the degree of Bachelor of Pharmacy. The student has carried out the work and submitted this Project Work report during the VIII semester in the second term of academic year 2022-2023.

Signature

Mr. Rahul S Tade. Assistant Professor Department of Pharmaceutics



Place: Shirpur

/

Date: /



Project Work Report

Spirulina - Therapeutic potential, nutritional value and comparative study

of spirulina and other medicines.

Submitted to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra



In Partial Fulfilment of the Requirement of During VIII Semester

For the Degree of

BACHELOR OF PHARMACY

By

Mr. Fulari Shreyas Laxman

Mr. Daund Prasad Kalyan

Course code: BP812PW Name of the course: Project Work Total Duration: 180 Hours



29/04/2023

The Shirpur Education Society's

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur - 425 405 Academic Year 2022-23



Pharmaceutica' H.R Patel Institute of Education & Research Shirpur Dist Dhule(M S) 425 405



ENDORSEMENT BY THE PRINCIPAL

This is to certify that this Project Work report is prepared by Mr. Fulari Shreyas Laxman, Mr. Daund Prasad Kalyan, under guidance of Mr. Narayan P. Pawar, Assistant Professor, Department of Pharmaceutical chemistry. The Project Work report is required to be in partial fulfillment of the requirements for the degree of Bachelor of Pharmacy. The student has attended and submitted this Project Work report during the VIII semester in the second term of academic year 2022-2023.

Place: Shirpur

Date: / /

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Prof. Dr. S. B. Bari Prof. Dr. S. B. Bari Prof. Prof. Baria Councel Prof. Baria Council State Shirpur Set Dinule (M. S) 425 405







ENDORSEMENT BY THE GUIDE

This is to certify that this Project Work report entitled Spirulina-Therapeutic potential, nutritional value and comparative study of spirulina and other medicines, is a bonafide and genuine research work carried out by Mr. Fulari Shreyas Laxman, Mr. Daund Prasad Kalyan. The Project Work report is required to be in pertial fulfillment of the requirements for the degree of Bachelor of Pharmacy. The student has carried out the work and submitted this Project Work report during the VIII semester in the second term of academic year 2022-2023.

Signature

18/09/202

Mr. Narayan P. Pawar Assistant Professor Department of Pharmaceutical Chemistry





Place: Shirpur Date: 18/04 / 2023

Project Work Report

"Synthesis and fabrication of carbon quantum dots-based fluorescent sensor for detection of chromium trioxide"

Submitted to

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra



In Partial Fulfilment of the Requirement of During VIII Semester

For the Degree of

BACHELOR OF PHARMACY

By

Miss. Kimaya Chandrakant Pawar

Mr.Kshitij Sanjaykumar Bari

Course code: BP812PW Name of the course: Project Work Total Duration: 180 Hours



The Shirpur Education Society's

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur - 425 405 Academic Year 2022-23

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ENDORSEMENT BY THE PRINCIPAL

This is to certify that this Project Work report is prepared by Miss. Kimaya Chandrakant Pawar and Mr. Kshitij Sanjaykumar Bari, under guidance of Dr. Zamir G. Khan, Assistant Professor, Department of Pharmaceutical chemistry. The Project Work report is required to be in partial fulfillment of the requirements for the degree of Bachelor of Pharmacy. The student has attended and submitted this Project Work report during the VIII semester in the second term of academic year 2022-2023.

Place: Shirpur

1

Date: /

Prof. Dr. S. B. Bari

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Pharmaceutical Patel Institute of Education & Research Shupur Dist Dhule(M S) 435



ENDORSEMENT BY THE GUIDE ·

This is to certify that this Project Work report entitled "Synthesis and fabrication of carbon quantum dots-based fluorescent sensor for detection of chromium trioxide", is a bonafide and genuine research work carried out by Miss. Kimaya Chandrakant Pawar, Mr. Kshitij Sanjaykumar Bari. The Project Work report is required to be in partial fulfillment of the requirements for the degree of Bachelor of Pharmacy. The student has carried out the work and submitted this Project Work report during the VIII semester in the second term of academic year 2022-2023.

Signature

Place: Shirpur

Date: 10/4 / 2023

Dr. Zamir G. Khan Assistant Professor Department of Pharmaceutical chemistry





Project Work Report

Role of Materiovigilance in a Patient Safety

Submitted to

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra



In Partial Fulfilment of the Requirement of During VIII Semester

For the Degree of

BACHELOR OF PHARMACY

By

Miss. Vaibhavi Rakesh Patel

And

Mr. Ajit Vasant Baviskar

Course code: BP812PW Name of the course: Project Work Total Duration: 180 Hours

23/04/2023

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The Shirpur Education Society's

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur - 425 405

STRAIL

Academic Year 2022-23



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This is to certify that this Project Work report is prepared by Miss. Vaibhavi Rakesh Patel, Mr. Ajit Vasant Baviskar under guidance of Mr. Deepak Manohar Patil Assistant Professor, Department of Pharmaceutics. The Project Work report is required to be in partial fulfillment of the requirements for the degree of Bachelor of Pharmacy. The student has attended and submitted this Project Work report during the VIII semester in the second term of academic year 2022-2023.

Place: Shirpur Date: 18/04/23

Dr. S. B. Bar Prof.

H.R Patel Institute of Pharmaceutica' Education & Research Shirpur Dist.Dhule(M.S) 425 405







ENDORSEMENT BY THE GUIDE

This is to certify that this Project Work report entitled <u>Role of Materiovigilance in a</u> <u>Patient Safety</u> is a bonafide and genuine research work carried out by <u>Miss. Vaibhavi</u> <u>Rakesh Patel, Mr. Ajit Vasant Baviskar</u>. The Project Work report is required to be in partial fulfillment of the requirements for the degree of Bachelor of Pharmacy. The student has carried out the work and submitted this Project Work report during the VIII semester in the second term of academic year 2022-2023.

Signature

Place: Shirpur Date: \8 /04 / 2023

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Mr. Deepak Manohar Patil Assistant Professor Department of Pharmaceutics



Project Work Report

Study of fast dissolving oral thin film for the treatment of allergic conditions

Submitted to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra



In Partial Fulfilment of the Requirement of During VIII Semester

For the Degree of

BACHELOR OF PHARMACY

By

Miss.Nikita Hemant Bhadane

Course code: BP812PW Name of the course: Project Work Total Duration: 180 Hours



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Research, Shirpur - 425 405

Academic Year 2022-23



ENDORSEMENT BY THE PRINCIPAL ·

The second term of academic year 2022-2023.

Bare 25/4/023

Prof. Dr. S. R

H.R. Patel In **Principal** maceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405





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ENDORSEMENT BY THE GUIDE

This is to certify that this Project Work report entitled <u>Study of fast dissolving oral thin</u> for the treatment of allergic conditions, is a bonafide and genuine research work meet out by Miss.Nikita Hemant Bhadane. The Project Work report is required to be in fulfillment of the requirements for the degree of Bachelor of Pharmacy. The student has accessed out the work and submitted this Project Work report during the VIII semester in the second term of academic year 2022-2023.

There Shirpur

Signature

Dr.V.K.Chatap Assistant Professor Department of Pharmaceutics.





> Syllabus for Practice School Academic Year 2021-22 Semester VII (B Pharmacy)

Students Notice

Date: 02/10/2021

In the VII semester, every candidate shall undergo practice school for a period of 150 hours evenly distributed throughout the semester. The student should attend practice school under each domain as declared by the program committee from time to time. At the end of the semester, every student shall submit a **handwritten report** in file provided from the store on the practice school he/she attended (not more than 40 pages).

Along with the exams of semester VII, the report submitted by the student, knowledge and skills acquired by the student through practice school shall be evaluated by the subject experts and grade point shall be awarded.

Course of study for semester VII for Practice School

Course code	Name of the course	No. of hours per week	Credit points
BP706PS	Practice School	12	6

Schemes for internal assessments and end semester examinations

	Continuous Mode Marks (Duration)	End Semester Exams Marks (Duration)	Total Marks
1	25 (Whole Semester Attendance)	125 (20 Min Each)	150

Dr. D. A. Patil Practice School In-charge



harmaceutical Patel Institute of Education & Research Shirpur Dist.Dhule(M.S) 425 405

Options for Practice School:

- Prepare different modules in accordance with the subject domains and each student in groups must complete each of the modules.
 - Divide students in 5 Teams (15 stud in each) 12-15 modules (from the domains like: Pharma Chemistry, Pharmacognosy, Pharmaceutics, pharmacology, QA QC, artificial intelligence).
 - Weekly each teams will visit respective 4 modules.
- Allot the students in groups to individual faculty and complete the project. These projects could be screened at institute level and eligible groups would be sent for Avishkar competition.
 - The students have to report the teacher every day.
- Hands on experience on the instruments / equipment which are of importance in the industry. (HPLC, FT-IR, Dissolution, Diffusion, DSC, zeta sizer, Brookfield Texture Analyzer, Extruder and Spheronizer, Freeze Dryer).

Rules:

- 1) No repetition of regular experiments.
- 2) The students would submit the report of each module duly signed in the end of semester.



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PO: Practice School

Student should be able to

CO:1 Meet the rapidly changing needs and challenges of a professional workplace

CO:2 Enable students to acquire learning by applying the knowledge and skills they possess, in unfamiliar, open-ended real-life situations

CO:3 Creates the required setting for experiential and cooperative learning and education, by providing students with an opportunity to work on relevant assignments, under the guidance of professional experts and under the supervision of faculty

CO:4 Serves as a platform that facilitates and promotes partnership and intellectual exchange between academia and industry.

PO: Project report:

Students should be able to

CO1: demonstrate a sound technical knowledge of their selected project topic.

CO2: undertake problem identification, formulation, and solution.

CO3: design solutions to complex problems utilising a systems approach.

CO4: conduct pharmaceutical project.

CO5: communicate with engineers and the community at large in written an oral form.



R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405

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Subject Domains As Spractice Schools (1- 6)	SN	1) Pharmaceutics	2) Quality Assurance Quality Control	3) Pharmacognosy and Biotechnology	4) Pharmaceutical Chemistry	5) Pharamcology	6) Artificial intelligence
	1	Improvement of dissolution characteristics of slightly soluble drug by Solid Dispersion technique (LRZ)	In process and finished product quality control tests for tablets {capsules, parenterals and semisolid dosage forms} (SNJ)	Demonstration of the Polymerase Chain Reaction Technique (CJB)	Fluorescence spectrometer- demonstration (ZGK)	In-vitro anti-inflammatory study and anti-oxidant study (PSB)	Importance of Artigficial Inteligence (MSS)
	2	To perform <i>In-vitro</i> dissolution profile of CR/ SR marketed formulation (DMP)	Quality control tests for Primary and secondary packaging materials (MRM)	Preparation and evaluation of herbal cosmetic (CJB)	Purification of organic compounds by; a) Prep TLC b) Column Chromatography (PBP)	Study of Biological Databases and Retrieval Systems (SKP)	Concept of Machine learning (MSS)
	3	Preparation and evaluation of Floating DDS (NRS)	Qualification of laboratory equipment like hardness tester, friability tester (DDP)	Standardization of herbal formulation (REM)	Introduction to drug discovery and development process. Structure drawing (2D and 3D), protein structure selection and protein preparation. (DAP)	Calculate the total cost of prescription (SPD)	Machine learning of ligands (NDM)
Minimum seven experiments will be conducted from each domain	4	Development of nanosuspension using Probe Sonicator (GBP)	Qualification of manufacturing equipment like Tablet compression machine/Autoclave/capsule filling machine (VKC)	Isolation and characterization of caffeine from tea (REM)	FT-IR demonstration (PBP)	Case studies on adverse drug reactions and ways to detect and moniter (SKP)	Interpretation of FTIR, DSC graphs (MRM)
	5	Formulation & Evaluation of Microspheres / Microcapsules (SNN)	Validation, Qualification and calibration. Correlation between them. Validation master plan (DMP)	Isolation of cellulose from plant material (NDM)	Purification of organic compounds by; a) Salt preparation, b) Acid base treatment (NPP)	Interpretation of laboratory tests- Biochemical, Hematological, immimogiobulins, cardiac markers, liver function tests, kidney function tests. (NDM)	Demostration of Origin software (NRS)
	6	Formulation & Evaluation of In-situ Gel (RST)	Design of Experiment@ Introduction (VKC)	Demonstration of Soxhlet extraction assembly (NPP)	Exploration of green catalyst for the synthesis of nanomaterials (POP)	Dosing in animals (oral, sc, ip, im) (PSB)	Artificial Intelligence in drug discovery and development (MSS)
	7	DoE Using Design Expert® Software (SNJ)	Regulatory agencies throughout world : FDA, their Role, GMP, cGMP (GBP)	Isolation of Eucalyptus oil by clavenger apparatus (VSB)	Hydrothermal reactor for the synthesis (ZGK)	Handing of experimental animals as per CPCSEA (SPD)	Demostration of Motic Microscopy (SPD)





H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur, Dist.: Dhule (Maharashtra) 425 405, India.

Practice School Schedule for Final Year B. Pharmacy Students

	Date	11-10-2021	18-10-2021	25-10-2021
MONDAY		B-NDM-CL	C-NDM-CL	B-SPD-CL
		C-VSB-PB	B-VSB-PB	C-NRS-PH
	Date	12-10-2021	19-10-2021	26-10-2021
TUESDAY		A-SPD-CL	C-SPD-CL	A-VSB-PB
		C-MSS-AI	A-MSS-AI	C-GBP-PH
	Date	13-10-2021	20-10-2021	27-10-2021
WEDNESDAY		A-NRS-PH	B-NRS-PH	A-NDM-CL
	R.L. Cher	B-GBP-PH	A-GBP-PH	B-MSS-AI
	Date	14-10-2021	21-10-2021	28-10-2021
THURSDAY		A-PBP-PC	B-PBP-PC	C-PBP-PC
THURSDAT		B-MRM-PC	C-MRM-PC	A-MRM-PC
		C-REM-PB	A-REM-PB	B-REM-PB
	Date	15-10-2021	22-10-2021	29-10-2021
FRIDAY		A-SNJ-PH	B-SNJ-PH	C-SNJ-PH
FRIDAT		B-DAP-PC	C-DAP-PC	A-DAP-PC
		C-NPP-PH	A-NPP-PH	B-NPP-PH
	Date	16-10-2021	23-10-2021	30-10-2021
SATURDAY		A-ZGK-PC	B-ZGK-PC	C-ZGK-PC
SATURDAT		B-PSB-CL	C-PSB-CL	A-PSB-CL
		C-SNN-PH	A-SNN-PH	B-SNN-PH

w.e.f Date: 09/10/2021 Timing 2:30pm - 6:30 pm

Domain	Short Name
1) Pharmaceutics	PH
2) Quality Assurance Quality Control	QA
3) Pharmacognosy and Biotechnology	PB
4) Pharmaceutical Chemistry	PC
5) Pharamcology	CL
6) Artificial intelligence	AI
Color codes to describe the schedule	
B-NDM-CL	
Batch name	
Faculty Name	
Domain Short Name	

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H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405 H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur, Dist.: Dhule (Maharashtra) 425 405, India.

Practice School Schedule for Final Year B. Pharmacy Students Academic Year 2021-2022 (I term) Schedule For Nov 2021 w.e.f. Date: 15/11/2021 Timing 2:30pm - 6:30 pm

	Date		15-11-2021	22-11-2021	29-11-2021
MONDAY			C-NPP-PC	B-VKC-PH	C-VKC-PH
			B-SNJ-PH	C-NDM-PB	B-NDM-PB
The state of	Date		16-11-2021	23-11-2021	30-11-2021
TUESDAY			C-SNJ-PH	A-POP-PC	C-POP-PC
			A-MSS-AI	C-DMP-QA	A-DMP-QA
	Date	10-11-2021	17-11-2021	24-11-2021	
WEDNESDAY			A-SNJ-PH	B-NRS-PH	
			B-SPD-AI	A-SPD-AI	
Constant of the	Date	11-11-2021	18-11-2021	25-11-2021	
THURSDAY			A-LRZ-PH	B-LRZ-PH	
THORSDAT			B-CJB-PB	C-CJB-PB	The second
			C-DDP-QA	A-DDP-QA	
	Date	12-11-2021	19-11-2021	26-11-2021	
FRIDAY			A-SKP-CL	B-SKP-CL	
FRIDAT			B-PSB-CL	C-PSB-CL	S. 12
			C-RST-PH	A-RST-PH	
	Date	13-11-2021	20-11-2021	27-11-2021	
CATURDAY			A-CJB-PB	C-CJB-PB	
SATURDAY	STATES.		B-MSS-AI	C-MSS-AI	
			_		

Domain	Short Name
1) Pharmaceutics	PH
2) Quality Assurance Quality Control	QA
3) Pharmacognosy and Biotechnology	PB
4) Pharmaceutical Chemistry	PC
5) Pharamcology	CL
6) Artificial intelligence	AI
Color codes to describe the schedule	
B-NDM-CL	
Batch name	
Faculty Name	
Domain Shore Marretear	-

PRINCIPAL H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405

Instructions to Students:

- 1) Practice School is Compulsory to each student.
- 2) Every student has to complete 160 Hours Practice school.
- 3) Find the schedule and remain present for each Practice School as per schedule the duration will be 2:30 pm to 6: 30 pm.
- 4) Each student should maintain a Short Notebook; each Practice School should be recorded in the same notebook duly signed by the teacher on every PS day.
- 5) At the end of semester each student has to submit one report (Spiral binding, minimum 25-30 pages printed on both side, 1.5 line spacing).

If Any Query Fill free to meet personally with the undersigned.

Dr. Dilip A. Patil

In-charge for Practice School



harmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405

	List of Students Final Year B. Pharmacy (2021-22)	
koll No	Name of Students	Batch
1	AGIWAL DARSHAN UDAY	
2	AHIRE GAURAV VIJAY	
3	BADGUJAR SAURABH SHASHIKANT	
4	BADGUJAR SUVARNA ARVIND	
5	BADHAN BHUSHAN VILAS	
6	CHAUDHARI JIDNYASA ANIL	
7	CHAUDHARI MANGESH DHANANJAY	
8	CHAUDHARI NIKITA SUNIL	
9	CHAUDHARI PRANALI RAMLAL	
10	CHAUDHARI TWINKLE ARJUN	
11	CHAUDHARI VISHAL SANJIV	
12	DUSING RUSHIKESH VITTHAL	A
13	GIRASE RUSHIKESH MAHENDRASING	
14	JAGTAP BHUSHAN MOHAN	
15	KAPADE MAYUR VINOD	
16	KHAN ATIQUE KHAN GAFUR	
17	KONTURWAR PARIMAL RAJENDRA	
18	KOTHARI DARSHAN UDAYKUMAR	
19	KOTHARI RISHIKA BHARAT	
20	KOTHAWADE SAYALI RAVINDRA	
21	KURESHI UMER MUSTAK	
22	LASURKAR KALYANI BALRAJ	
23	LODHA SUYASH SUNIL	
24	MAHAJAN PRASHANT RAJENDRA	
25	MAHAJAN ROHIT BHAGWAN	
26	MAHAJAN SRUSHTI PRAKASH	Barley Charles
27	MAHALE BHUPENDRASING PANKAJ	
28	MALI HARSHAL RAJU	
29	MALI YOGESHWAR HIRALAL	
30	NAYSE VAISHNAVI DNYANESHWAR	
31	NIKUMBHE BHUSHAN MANOHAR	
32	NILKANTHE PRIYANKA SUBHASHRAO	р
33	PARADESHI SURAJSING RAVINDRASING	j B
34	PARDESHI NEHA PARAS	
35	PARDESHI VISHAL RAJENDRA	
36	PATEL EARTH JIGNESH	
37	PATIL AKSHAY BHASKAR	
38	PATIL AMOL MACHHINDRA	
39	PATIL ARCHANA SANJAY	
40	PATIL BHATU RAJU	

H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405

	List of Students Final Year B. Pharma (2021-22)	cy
Roll No	Name of Students	Batch
41	PATIL DAMINI RAVINDRASING	
42	PATIL DARSHAN NARAYAN	
43	PATIL DHIRAJ ANIL	
44	PATIL KULDIP SURESH	
45	PATIL LALIT BHAUSAHEB	
46	PATIL MANISH KAILAS	
47	PATIL MOHIT MAHENDRA	
48	PATIL NAYAN SURESH	
49	PATIL NUTAN RAVINDRA	
50	PATIL PRASHANT SUNIL	
51	PATIL SNEHA BHATU	
52	PATIL VEDANT CHANDRAKANT	
53	PATIL VINEET ABHIMAN	
54	PATIL VISHAL GANESH	
55	PATIL VISHAL SHRIRAM	
56	PAWAR DEVYANI RAJENDRA	
57	PAWAR GRISHMA SUNIL	
58	PAWAR RUPESH BHILA	
59	PAWAR RUTIK RAMA	
60	PAWAR SAGAR ASHOK	
61	QURESHI SAMEER SHAIKH FAROOQUE	C
62	SARJERAO SANDESH SANJAY	— C
63	SHAH UTKARSHA KETAN	
64	SHAIKH AADIL AKHTAR	
65	SHAIKH SAMIR SHAKIL	
66	SHAIKH SOHEL MUJIB	
67	SHEJUL DNYANESHWAR RAMRAO	
68	SHINKAR ABHISHEK GAJANAN	
69	SHITOLE ROHIT DEEPAK	
70	SHUKLA YASHAWANT BHAGWAN	
71	SONAWANE VRUCHIKA SUNIL	
72	SONKUL JAYESH RAJENDRA	
73	SURYAWANSHI AAKASH VINOD	





2021-2022

SR. NO.	DATE	NAME OF THE EXPERIMENT	PAGE	REMARKS
1)	07107/	Demonstration of histechnology	•	0
~	2622	Polymerase chain reach	01	P
2)	11/07/ 2022	Isolation of eucalyptus oil by clavenger apparatus	7-10	amanges
3)	131071 2012	Interpretation of various para		- CfB
	(1012	meter to assay liver functions curdiac Functioning other Functioning (safura Sir)	11-10	2
9)	6107) 2022	In process and product quality a number of for tablet, capsule	19-24	F.
		parentral, and semi-solid dosage Form (Jain Bir)		
3)	the second se	10 perform demonstration		P
	2022	of fluroscence spectrometer (khangli)		
J)	2107/	Handling of experimented animal as per apseed (N. More madam	29-32	furper
(1)	27/07/ ~ 2022	Demonstration of origin Software (Nishisathsir)	33-34	- Ar
S	23/07/	improvement of dissolution moratorist slightly soluble by solic dispersion technique (zawarsty) RCP ST	and the second sec	An



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RCP STUDENT'S CO-OP. STORES, SHIRPUR

SR. NO.	DATE	NAME OF THE EXPERIMENT	PAGE	REMARKS
16)	26/09/	DOE using desing a propert	69-72	30
	2022	DOE using desingn expert software (Jain eir)		()
(7)	28/09/	purification of organic		12Den/
	0022	-compound by prep. The	73-70	00
		b) coloumn chromatography		
		(#.Patilsir)		
(8)	29/09/	exploration of green catel		$\widehat{\mathcal{A}}$
	1022	yst En synthesis For	77-79	Q
		nanomaterial (POP (1))		
19)	12/09/	qualify control tests	· · · ·	. 9
	2022	For 1° and 2° pakaging.	81-86	NO.
		material (MRM (17)		
20)	13/09/	To purity organic comp		Re
	2022	by acid base treatment	87-90	
		and salt formation method.	0.0	
		(N'Pawar sfr)		



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RCP STUDENT'S CO-OP. STORES, SHIRPUR

Submitted to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY

By

Mr. Patil Nayan Suresh

Course code: BP706PS Name of the course: Practice School **Total Duration: 150 Hours** Academic Year 2021-22

14





H. R. Patel Institute of Pharmaceutical Education

Submitted to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY

By

Mr./Ms. Pardeshi Surajsing Ravindrasing,

Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22





H. R. Patel Institute of Pharmaceutical Education

and Research, Shirpur - 425 405



This is to certify that this practice school report is prepared by Mr. As. Pardeshi Surajsing Ravindrasing, The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year 2021-2022.

Dr. Dilip A.

Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Prof. Dr. S. B. Bari Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur Date: / /20



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Submitted to

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY

By

Mr./Ms. BHATU RAJU PATIL

Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22





The Shirpur Education Society's H. R. Patel Institute of Pharmaceutical Education



This is to certify that this practice school report is prepared by Mr./Ms. <u>Bhatu Raju Patil</u>. The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year 2021-2022.

Dr. Dilfp A. Patil Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Prof. Dr. S. B. Bari

Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur Date: 21/12 /2021_





Submitted to

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY

By

Mr. Mahajan Prashant Rajendra

Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22





H. R. Patel Institute of Pharmaceutical Education



This is to certify that this practice school report is prepared by Mr. Mahajan Prashant **Rajendra**. The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year 2021-2022.

2eta/21

Dr. Dilip A. Patil
Practice School In-charge
H. R. Patel Institute of Pharmaceutical
Education and Research, Shirpur

Place: Shirpur Date: 22/ 12/2021



Anaro

Prof. Dr. S. B. Bari Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

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Submitted to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY

By

Mr. Mahajan Rohit Bhagwan

Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22



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H. R. Patel Institute of Pharmaceutical Education



This is to certify that this practice school report is prepared by Mr. Mahajan Rohit Bhagwan. The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year 2021-2022.

22/2/2

Place: Shirpur

Date: 22/ 12/2021

Dr. Dilip A. Patil Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur Prof. Dr. S. B. Bart

Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur



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Submitted to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY

By

Mr./Ms. Dhiraj Anil patil

Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22





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This is to certify that this practice school report is prepared by Mr./Ms. Dhiraj Anil Patil. The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year 2021-2022.

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Prof. Dr. S. B. Bari

Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur Date: ²¹/12/20<u>21</u>







This is to certify that this practice school report is prepared by **Mr.Patil Nayan Suresh**. The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year 2021-2022.

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Dr. Dilip A. Patil Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Prof. Dr. S. B. Bar

Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur Date: 22/12/2021



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Submitted to

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY

By

Ms. Nutan Ravindra Patil

Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22

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ENDORSEMENT

This is to certify that this practice school report is prepared by Ms Nutan Ravindra **Patil.** The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year 2021-2022.

12

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Prof. Dr. S. B. Bari Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

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Submitted to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY

By

Mr. Ms. Manish Kailas Patil

Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22



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This is to certify that this practice school report is prepared by Mr./Ms. Manish Kailas Patil. The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year $2024_{5}2022$.

Dr. Dilip A. Patil Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

PRINCIPAL

H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur Dest Dhule (M.S.) 425 405 Prof. Dr. S. B. Bari

Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur Date: 22/12/2021





Submitted to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY

By

Ms. Patil Archana Sanjay

Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22



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This is to certify that this practice school report is prepared by Ms. Patil Archana Sanjay. The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year 2021-2022.

22/12/2

Dr. Dilip A. PatilPractice School In-chargeH. R. Patel Institute of PharmaceuticalEducation and Research, Shirpur

Prof. Dr. S. B. Bari

Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

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Submitted to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY

By

Mr./Ms. Patil Amol Machhindra

Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22





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This is to certify that this practice school report is prepared by Mr./Ms. Patil Amol Machhindra. The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year 2021-2022.

Dr. Dilip A. Patil
Practice School In-charge
H. R. Patel Institute of Pharmaceutical
Education and Research, Shirpur

Prof. Dr. S. B. Bari

Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur Date:22/12/2021





Submitted to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY

By

Mr. Ms. Akshay Baskar patil.

Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22

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This is to certify that this practice school report is prepared by Mr./Ms. Akshay Baskar Patil. The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year 2021-2022.

い 21/12/21

Dr. Dilip A. Patil Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur Date: 21/12/2021

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Submitted to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY

By

Mr./Earth Jignesh Patel.

Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22





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This is to certify that this practice school report is prepared by **Mr.Earth Jignesh Patel**. The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year 2021-2022.

Dr. Dilip A. Patil Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Prof. Dr. S. B. Bari Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur Date: / /20





Submitted to Kavayitri Bahinabai Chaudhari North Maharashtra University, Ialgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY

By

Mr. Pardeshi Vishal Rajendra

Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22





H. R. Patel Institute of Pharmaceutical Education



This is to certify that this practice school report is prepared by Mr.Pardeshi Vishal Rajendra. The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year 2021-2022.

22/12/21

Dr. Dilip A. Patil Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Prof. Dr. S. B. Bari Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

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Submitted to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY

By

Mr. Bhushan Manohar Nikumbhe

Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22



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H. R. Patel Institute of Pharmaceutical Education

and Research, Shirpur - 425 405



This is to certify that this practice school report is prepared by Mr.<u>Bhushan Manohar</u> <u>Nikumbhe</u>. The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year 2021-2022.

21/12/24

Dr. Dilip A. Patil Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Prof. Dr. S. B. Bari

Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur Date: 21/ 12/2021



PRINCIPAL H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405



This is to certify that this practice school report is prepared by Mr. Patil Mohit Mahendra The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year 2021-2022.

Dr. Dilip A. Patil Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Prof. Dr. S. B. Bai

Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur Date: 22/ 12/2021



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Submitted to Kavayitri Bahinabai Chaudhari North Maharashtra University, Ialgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY

By

Mr. Patil Mohit Mahendra

Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22





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Submitted to

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY

By

Ms Vaishnavi Dnyaneshwar Nayse

Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22





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H. R. Patel Institute of Pharmaceutical Education



This is to certify that this practice school report is prepared by Ms. Vaishnavi Dnyaneshwar Nayse. The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year 2021-2022.

Dr. Dilip A.

Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur

Date: / /20





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> Education and Research, Shirpur PRINCIPAL H. R. Patel Institute of Pharmaceutical Education & Research, Shirpur Dist. Dhule (M.S.) 425 405

> > PRINCIPAL H.R. Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405

Submitted to

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY

By

Ms Neha Paras Pardeshi

Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22





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This is to certify that this practice school report is prepared by Ms. Neha Paras **Pardeshi**. The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year 2021-2022.

Dr. Dilip A. Patil

Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Prof. Dr. S. B. Bari Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur Date: / /20





Submitted to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY By

Mr./Ms. Harshal Raju Mali

Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22





The Shirpur Education Society's H. R. Patel Institute of Pharmaceutical Education



This is to certify that this practice school report is prepared by Mr./Ms. Harshal Raju Mali . The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year 2021-2022.

Dr. Dilip A. Patil Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Prof. Dr. S. B. Bari Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur

Date: / /20_





Submitted to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY

By

Ms Damini Ravindra Patil

Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22





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Prof. Dr. S. B. Bari Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur Date: / /20_



H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405

Submitted to

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY

By

Mr. Ms. Lalit Bhausaheb Patil

Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22

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This is to certify that this practice school report is prepared by Mr./M. <u>Lalit Bhausaheb Patil</u>. The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year 2021-2022.

Dr. Dilip A.

Practice School In-charge H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur BBand Prof. Dr. S. B. Bari

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Place: Shirpur Date: 22/12 /20 21

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Submitted to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra In Partial Fulfillment of the Requirement During Semester VII For the Degree of

BACHELOR OF PHARMACY

By

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Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22





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This is to certify that this practice school report is prepared by Mr. Mali Yogeshwar Hiralal. The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year 2021-2022.

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Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22





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This is to certify that this practice school report is prepared by Ms. *Priyanka Subhashrao Nilkanthe*. The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year 2021-2022.

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Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22





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Prof. Dr. S. B. Bari Principal H. R. Patel Institute of Pharmaceutical Education and Research. Shirpur

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By

Mr. Patil Darshan Narayan

Course code: BP706PS Name of the course: Practice School Total Duration: 150 Hours Academic Year 2021-22





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This is to certify that this practice school report is prepared by Mr.Patil Darshan Narayan. The practice school report is required to be in partial fulfillment of the requirements for the degree of Bachelor in Pharmacy. The student has attended and submitted this report during the semester VII in the first term of academic year 2021-2022.

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Prof. Dr. S. B. Bari Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur Date: 21 / 12/20<u>21</u>



PRINCIPAL H.R.Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405

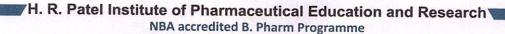


President : Shri Amrishbhai R. Patel M.L.A.

Principal : Dr. S. B. Bari M.Pharm. Ph.D., D.I.M.F.J.C.

List of students with M. Pharm Dissertation (AY2021-22)

Sr. No.	Name	Title of Topic	Research Guide
		M. Pharm Pharmaceutics	1
1	Borhade Dinesh Dattatraya	Formulation and Evaluation of Pirfenidone loaded Chitosan Polyvinyl alcohol graphene oxide nanocomposite scaffold for diabetic foot wound healing	Dr. G. B. Patil
2	Borole Pratiksha Uddhavrao	Formulation and evaluation of Self emulsifying Nano Emulsion loaded soft gelatin capsule for colon targeted drug delivery	Dr. V. K. Chatap
3	Borse Charushila Bhausaheb	Synthesis and Characterization of Silk-Fibroin Silica Nanocomposites using Sol-Gel technique for treatment of Osteoarthritis	Dr. G. B. Patil
4	Devkar Pratiksha Manoj	Novel pH sensitive IPN microbeads of polyacrylamide grafted sesbania gum and sodium alginate for gastroprotective drug delivery of diclofenac sodium	Dr. L. R. Zawar
5	Gosavi Dipesh Prakashgir	Fabrication and Characterization of Curcumin Loaded Magnetic Fiber Nanocomposites Capped with GQDs for Targeted and pH-controlled Drug Delivery	Dr. V. K. Chatap
6	Jain Rupal Sudhir	Formulation and Characterization of antipsychotic drug loaded nanosponges	Dr. G. B. Patil
7	Jain Saurabh Rashmikant	Formulation and Evaluation of Thermoreversible Nanoethosomal Gel for Intranasal Delivery of Antipsychotic drug	Dr. G. B. Patil
8	Marathe Bhushan Keshavrao	Fabrication and Characterization of Chrysin Loaded PEGylated Cellulose Nano-fibers for Treatment Breast Cancer	Dr. V. K. Chatap
9	Patil Bhupesh Digambar	Development of silk fibroin based floating microbeads for modified release of BCS-II drug	Dr. L. R. Zawar
10	Patil Gaurav Shriram	Preparation and Characterization of PEGylated Graphene Oxide Nanosheets as a nanocarrier for the Delivery of Quetiapine Fumarate	Dr. G. B. Patil
11	Patil Prajakta Anil	Preparation and characterization of lectin conjugated Amphotericin-B nasal formulation for fungal infection	Dr. V. K. Chatap
12	Pawar Snehal Narendra	Microwave assisted synthetic and characterization of N-Vinyl-2-Pyrrolidone grafted almond gum for modified drug release	Dr. L. R. Zawar
13	Rajput Kirti Kailas	Dual-crosslink Zn2+ pectinate-neem gum-IPN-based microbeads as a potential candidate for GRDDS of lansoprazole	Dr. L. R. Zawar
14	Sontakke Pradip Falaji	Fabrication and Characterization of Chrysin Loaded Cellulose Magnetic Nanocomposites Capped with GQDs for Breast Cancer Treatment	Dr. V. K. Chatap
15	Tawade Shraddha Shirish	Formulation and statistical optimization of chitosan-cassia Tora gum polyelectrolyte complex for modified drug release	Dr. L. R. Zawar
1		M. Pharm Pharmaceutical Quality Assurance	
16	Borse Krunal Bhimrao	Extraction and evaluation of Withania Coagulans (fruit) and Ehretia Laevis (leaves) for antidiabetic activity	Dr. D. A. Patil
17	Chaudhari Kalyani Chandrakant	Metal Organic Framework Embedded Poly-L-lysine Functionalized Graphene Quantum Dots for Sensing of Taurine	Dr. S. B. Bari
18	Girase Mrunal Ramsing	Development and validation of stability-indicating RP-HPLC method for assay of doxazosin drug in tablet dosage form	Dr. P. O. Patil
19	Kukade Nilesh Samadhan	Natural Deep Eutectic Solvent for solubility and dissolution of water insoluble drugs	Dr. S. B. Bari
20	Manyar Shohebrijvan Mahammadsharif	Estimation of Para-Amino Hippuric Acid using Metal-Organic Framework Embedded Doped GQDs	Prof. C. J. Bhavsar
21	Patil Nikita Mohiniraj	Natural Deep Eutectic Solvent for solubility and dissolution of water	Dr. S. B. Bari



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Principal : Dr. S. B. Bari M.Pharm. Ph.D., D.I.M.F.J.C.

22	Patil Sairendhri Santoshrao	Metal-Organic Framework Embedded Functionalized Graphene Quantum Dots for Estimation of Para-Aminohippuric Acid	Dr. P. O. Patil
23	Patil Sumit Sanjay	Isoaltion and characterization of mucilage from Cocus nucifera fruit waste for pharmaceutical application	Dr. R. E. Mutha
24	Rajput Saurabh Nandubhai	Extraction and Evaluation of Antidiabetic Activity of Enicostemma litterola (whole Herb) and S. Macrophylla (Seed)	Dr. D. A. Patil
25	Sharma Priti Dilipkumar	Facile synthesis of carbon quantum dots from <i>Tamarindus Indica leaves and its application for fluorescence detection of potassium dichromate</i>	Dr. D. D. Patil
26	Shinde Yogesh Prataprao	Metal Organic Framework Embedded Heteroatom Doped Graphene Quantum Dots for Sensing of Taurine	Dr. P. O. Patil
27	Sinkar Kiran Prabhakar	Isoaltion and characterization of cellulose from <i>Rumex vesicarius</i> leaf waste for pharmaceutical application	Dr. R. E. Mutha
28	Sonawane Trunal Ramkrushna	To study antisickling effect of herbal drug and public awareness about sickle cell disease in Shirpur Taluka	Dr. D. D. Patil
29	Suryawanshi Gaurav Sunil	Isolation and characterisation of alpha pinene from turpentine oil	Prof. C. J. Bhavsar
30	Tiwari Prerana Jitendra	Formulation and evaluation of Emulsomes for topical administration in psoriasis	Dr. D. D. Patil



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FORMULATION AND EVALUATION OF PIRFENIDONE LOADED CHITOSAN - POLYVINYL ALCOHOL - GRAPHENE OXIDE NANOCOMPOSITE SCAFFOLD FOR DIABETIC FOOT WOUND HEALING

A Dissertation Submitted to the

Kavapitri Bahinabai Chaudhari North Maharashtra University,

Jalgaon, Maharashtra, India



In partial fulfillment of

the requirement for the award of a degree of

MASTER OF PHARMACY

In

PHARMACEUTICS

Submitted by

Mr. Dinesh Dattatraya Borhade

Under the guidance of

Dr. Ganesh B. Patil

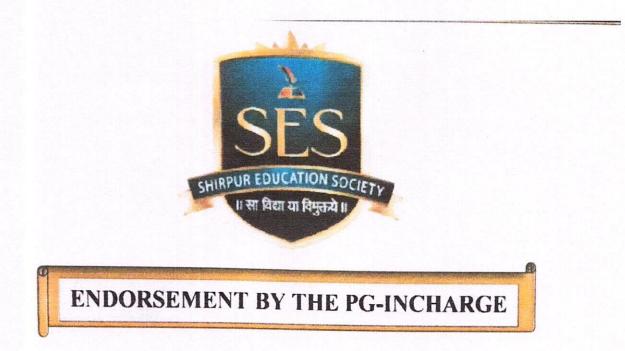
(Associate Professor)

Department of Pharmaceutics

The Shirpur Education Society's H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur, Dhule (M.S.) 425 405 2021-2022

AH A

H.R Patel Institute of Phamaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405



This is to certify that the dissertation entitled "Formulation and Evaluation of Pirfenidone Loaded Chitosan-Polyvinyl Alcohol-Graphene Oxide Nanocomposite Scaffold for Diabetic Foot Wound Healing" is a genuine research work carried out by Mr. Dinesh D. Borhade under the supervision of Dr. Ganesh B. Patil, Associate Professor, Department of Pharmaceutical H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Place: Shirpur Date: 201082000

Dr. Dipak D. Patil

PG-Incharge Department of Quality Assurance H.R. Patel Institute of Pharmaceutical Education and Research, Shirpur

> H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405



Formulation and evaluation of self-emulsifying Nano Emulsion loaded soft gelatin capsule for colon targeted drug delivery

A Dissertation Submitted to the

Kabapitri Bahinabai Chaudhari North Maharashtra University, Jalgaon,

Maharashtra, India



In partial fulfillment of the requirements for the award of a degree of

Master of Pharmacy

In

Pharmaceutics

Submitted by

Ms. Pratiksha Uddhavrao Borole

(B. Pharm)

Under the guidance of

Dr. Vivekanand K.Chatap

(M. Pharm., Ph.D.)

Associate Professor Department of Pharmaceutics

The Shirpur Education Society's H.R. Patel Institute of Pharmaceutical Education and Research, Shirpur, Dist: Dhule (M.S.) 425405 2021-2022

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ENDORSEMENT BY THE PG INCHARGE

This is to certify that this dissertation entitled "Formulation and evaluation of self-emulsifying Nano Emulsion loaded soft gelatin capsule for colon targeted drug delivery" is a genuine research work carried out by MS. Pratiksha U. Borole under the guidance of Dr. Vivekanand K. Chatap, Associate Professor, Department of Pharmaceutics, H.R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Dr. Dipak D. Patit

Place: Shirpur Date: 15 109 M

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PG In-charge

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"Synthesis and Characterization of Silk Fibroin-Silica Nanocomposites using Sol-Gel-Technique for Treatment of Osteoarthritis"

A Dissertation Submitted to the



Kavayatri Bahinabai Chaudhari

North Maharashtra University, Jalgaon, Maharashtra

In partial fulfilment of the requirement for the degree of

Master of Pharmacy

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PHARMACEUTICS

By

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Under the guidance of

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Associate Professor

Department of Pharmaceutics

H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur, India (2021-22) H.R.Patel Institute of Pharmaceutical Education and Research, Shirpur, India

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Place: Shirpur Date:29 /08/2022



"Novel pH-sensitive IPN Microbeads of Polyacrylamide-grafted-gum *sesbania* and Sodium Alginate for Gastro Protective Drug Delivery of Diclofenac Sodium"

By

Miss. Pratiksha Manoj Devkar A dissertation submitted to the Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

> In partial fulfillment of the requirements for the degree of MASTER OF PHARMACY

> > In PHARMACEUTICS

Under the guidance of

Dr. Laxmikant R. Zawar

Associate Professor and HOD

Department of Pharmaceutics

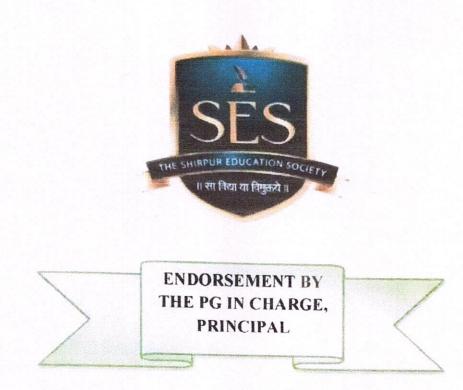
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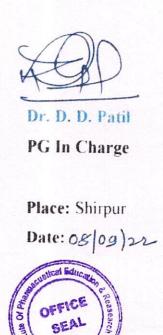
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Place: Shirpur Date:



FABRICATION AND CHARACTERIZATION OF CURCUMIN LOADED MAGNETIC FIBER NANOCOMPOSITES CAPPED WITH GQDS FOR TARGETED AND pH-CONTROLLED DRUG DELIVERY

By

Mr. Dipesh Prakashgir Gosavi

A dissertation submitted to the

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In partial fulfillment of the requirements for the degree of

Master of Pharmacy

In

Pharmaceutics

Under the guidance of

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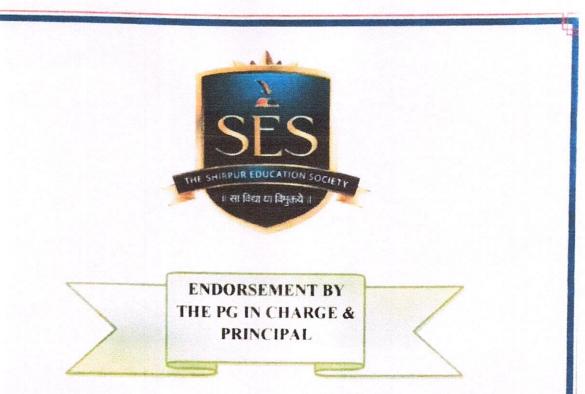
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Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur

Date: 30/09/22

ceutical H.R Patel Institute of Pharma rch Education & Resea 405 Shirpur Dist.Dhule(M.S)

"Formulation and Characterization of Quetiapine Fumarate Loaded Polymeric Nanosponges"

P

A Dissertation Submitted to the



Kavayatri Bahinabai Chaudhari

North Maharashtra University, Jalgaon, Maharashtra

In partial fulfilment of the requirement for the degree of

Master of Pharmacy

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PHARMACEUTICS

By

Miss. Rupal Sudhir Jain

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(2021-22)

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PRINCIPAL H.R. Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405

Place: Shirpur Date: 01 /09/ 2022 "Formulation and Evaluation of Thermoreversible nanoethosomal gel for intranasal delivery of Quetiapine Fumarate"

A Dissertation Submitted to the



Kavayitri Bahinabai Chaudhari

North Maharashtra University, Jalgaon, Maharashtra

In partial fulfilment of the requirement for the degree of

Master of Pharmacy

In

PHARMACEUTICS

By

Mr. Saurabh Rashmikant Jain

Under the guidance of

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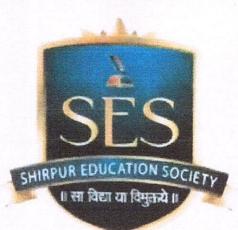
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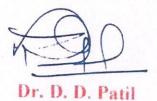
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Associate Professor, Department of Quality Assurance, H. R. Patel Institute of Pharmaceutical

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Education and Research. Shirpur

Place: Shirpur Date: **0** 6 / **0** 9 2022





Fabrication and Characterization of Chrysin Loaded PEGylated Cellulose Nano-Fibers for Treatment of Breast Cancer

A Dissertation Submitted to the

Kavayitri Bahinabai Chaudhari Aorth Maharashtra University, Jalgaon, Maharashtra, India



In partial fulfillment of

the requirement for the award of a degree of

MASTER OF PHARMACY

In

PHARMACEUTICS

Submitted By

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Under Guidance of

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Department of Pharmaceutics

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Dr. D. D. Patil

Department of Quality Assurance,

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H.R. Patel Institute of Pharmaceutica Education & Research Shirpur Dist.Dhule(M.S) 425 405

Place: Shirpur Date 01/09/22



Development of Silk Fibroin Based Floating Microbeads for Modified Release of BCS-II Drug

By

Mr. Bhupesh Digambar Paul

A Dissertation Submitted to the

Kavayitri Bahinabai Chaudhari North Maharashtra University,

Jalgaon, Maharashtra

In partial fulfillment of the requirements for the degree of MASTER OF PHARMACY

In

PHARMACEUTICS

Under the guidance of

Dr. Laxmikant R. Zawar

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Head of Department

Department of Pharmaceutics

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H.R. Patel Institute of Pharmaceutical Education and Research,

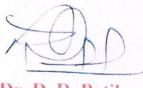
Shirpur, Dhule (M.S.) 425 405







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Dr. D. D. Patil PG In charge H.R. Patel Institute of Pharmaceutical Education and Research, Shirpur





Place: Shirpur

Date: 05(09)2020

Fabrication and Characterization of Polyethylene glycol Functionalized Graphene Oxide Nanosheets for the Delivery of Quetiapine Fumarate

3 Dissertation Submitted to the

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon.

Maharashtra, India



In partial fulfillment of the requirements for the award of a degree of

Master of Pharmacy

In **Pharmaceutics**

Submitted by

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(B. Pharm)

Under the guidance of

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Associate Professor

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The Shirpur Education Society's

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This is to certify that this dissertation entitled "Fabrication and Characterization of Polyethylene glycol Functionalized Graphene Oxide Nanosheets for the Delivery of Quetiapine Fumarate" is a genuine research work carried out by Mr. Gaurav S. Patil under the guidance of Dr. Ganesh B. Patil, Associate Professor, Department of Pharmaceutics, H.R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

Dr. Dipak D. Patil

Place: Shirpur Date: 4/08/2022

PG In-charge

Department of Quality Assurance H.R. Patel Institute of Pharmaceutical Education and Research, Shirpur,





PREPARATION AND CHARACTERIZATION OF LECTIN CONJUGATED AMPHOTERICIN B FOR ANTIFUNGAL ACTIVITY

By

Miss, Prajakta Anil Patil

A dissertation submitted to the

Kavayitri Bahinabai Chaudhari North Maharashtra University. Jalgaon, Maharashtra

In partial fulfillment of

the requirements for the degree of

Master of Pharmacy

In

Pharmaceutics

Under the guidance of

Dr. Vivekanand K. Chatap

Associate Professor

Department of Pharmaceutics

H. R. Patel Institute of Pharmaceutical Education and Research

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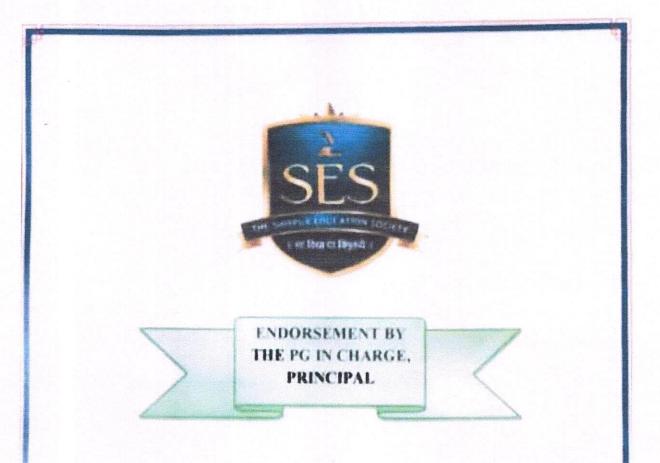
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Shirpur Dist.Dhule(M.S) 425 405

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Place: Shirpur

Date: 30/09/2

Ir. S. B. Bari

Principal H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

Place: Shirpur

Date: 30103/22



Microwave Assisted Synthesis and Characterization of N-vinyl-2-pyrrolidone Grafted Almond Gum for Modified Drug

Release

By

Miss. Snehal Narendra Pawar

A dissertation submitted to the

Kavayitri Bahinabai Chaudhari North Maharashtra University,

Jalgaon, Maharashtra

In partial fulfillment of the requirements for the degree of MASTER OF PHARMACY

> In PHARMACEUTICS

Under the guidance of

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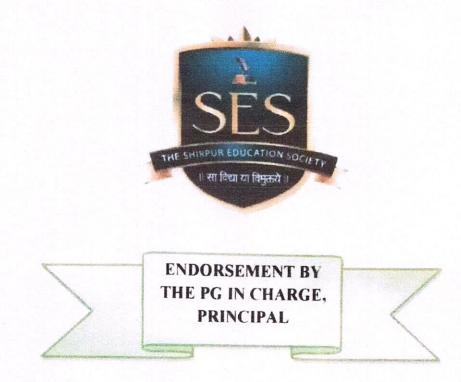
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Place: Shirpur Date: 2-3/09/22



Formulation, Optimization, and In-Vitro-Ex-Vivo **Evaluation of Dual-Crosslinked Zinc Pectinate-Neem Gum-Interpenetrating Polymer Network Mediated** Lansoprazole Loaded Floating Microbeads

By

Miss. Kirti Kailas Rajput

A dissertation submitted to the Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

> In partial fulfillment of the requirements for the degree of MASTER OF PHARMACY

> > In

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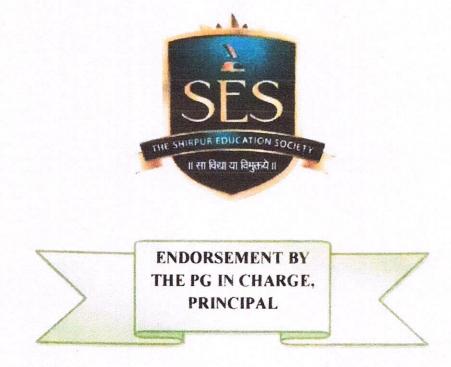
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Fabrication and Characterization of Chrysin Loaded Cellulose Magnetic Nanocomposite Capped with GQDs for Breast Cancer

Treatment

A Dissertation Submitted to the



Kavayitri Bahinabai Chaudhari North Maharashtra University,

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In partial fulfillment of

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MASTER OF PHARMACY

in

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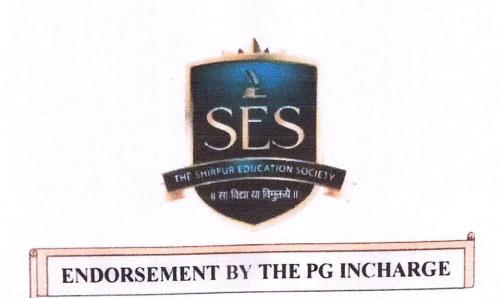
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This is to certify that this dissertation entitled "Fabrication and Characterization of Chrysin Loaded Cellulose Magnetic Nanocomposite Capped with GQDs for Breast Cancer Treatment" is a genuine and bonafide research work carried out by Mr. Pradip F. Sontakke under the guidance of De Vieckanand K. Chatap Associate Professor, Department of Pharmaceutics, H.R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

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Formulation and Statistical Optimization of Chitosan-Cassia Tora gum Polyelectrolyte Complex Nanoparticles for Modified Drug Release

By

Miss. Shraddha Shirish Tawade A dissertation submitted to the Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

> In partial fulfillment of the requirements for the degree of MASTER OF PHARMACY

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Place: Shirpur

Date:

H.R. Patel Institute of Pharmaceutical Education & Research Shirpur Dist Dhule(M.S) 425 405 "Extraction and Evaluation of *Withania coagulans*(fruit) and *Ehretia laevis*(leaves) for Antidiabetic activity and It's Synergestic Effect"

A Dissertation Submitted to the



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In partial fulfilment of the requirement for the degree of

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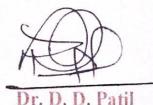
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"Metal Organic Frameworks Embedded Functionalized Graphene Quantum Dots for Sensing of Taurine"

A Dissertation Submitted to the



Kavayatri Bahinabai Chaudhari North Maharashtra University,

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In partial fulfilment of the requirement for the degree of

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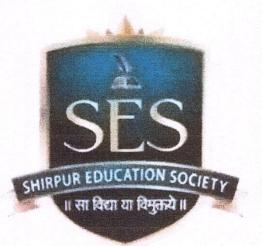
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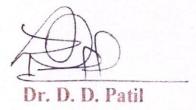


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This to certify that this dissertation "Metal Organic Framework Embedded Functionalized Graphene Quantum Dots for Sensing of Taurine" is a genuine research work carried out by Miss. Chaudhari Kalyani Chandrakant Department of Quality Assurance, Under the guidance of Dr. P. O. Patil, HOD and Professor, Department of pharmaceutical chemistry, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.



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"DEVELOPMENT AND VALIDATION OF STABILITY-INDICATING RP-HPLC ASSAY METHOD FOR DOXAZOSIN MESYLATE DRUG IN TABLETS DOSAGE FORM"

A Dissertation Submitted to the



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In partial fulfillment of the requirement for the degree of

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This to certify that this entitled "Development and validation of stability-indicating RP-HPLC assay method for doxazosin drug in tablet dosage form" is a genuine research work carried out by Miss. Mrunal Ramsing Girase Department of Quality Assurance, Under the guidance of Dr. P. O. Patil, HOD and Professor, Department of pharmaceutical chemistry, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

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"Natural Deep Eutectic Solvent for solubility and dissolution of water insoluble drugs"

A Dissertation Submitted to the



Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon.

In Partial fulfillment of the requirements for the degree of

MASTER OF PHARMACY

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H.R Patel Institute of Pharmaceutical Education & Research Shirpur Dist.Dhule(M.S) 425 405

"Estimation of Para-Amino Hippuric Acid using Metal Organic Frameworks Embedded Doped GQDs"

A Dissertation Submitted to the



Kavayatri Bahinabai Chaudhari North Maharashtra University,

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In partial fulfilment of the requirement for the degree of

MASTER OF PHARMACY

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Place: Shirpur Date: 02 | 08 | 2022



PG In charge Department of Quality Assurance H. R. Patel Institute of Pharmaceutical

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Natural Deep Eutectic Solvent for Solubility and Dissolution of Water Insoluble Drugs

Dissertation Submitted to the



Kawayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon. In Partial fulfillment of the requirements for the degree of

MASTER OF PHARMACY

In

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By

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Under the guidance of

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Shirpur- 425 405 2021 - 2022





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Date: 29/09/22

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"Metal-Organic Framework Embedded Functionalized Graphene Quantum Dots for Estimation of Para-Aminohippuric Acid"

Dissertation submitted to the Kavayatri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra



In partial fulfillment of the requirement for the degree of

MASTER OF PHARMACY

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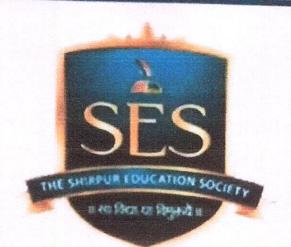


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Dr. D. D. Patil PG In charge Dept. of Quality Assurance H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur

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Patel Institute of Phar Education & Rese

hirpur Dist.Dhul

Place: Shirpur

Date: 28-07-2022



Isolation and characterization of mucilage from Cocos nucifera fruit waste for pharmaceutical application

A Dissertation Submitted to the



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This to certify that this dissertation "Isolation and characterization of mucilage from *Cocos nucifera* fruit waste for pharmaceutical application" is a genuine research work carried out by Mr. Sumit Sanjay Patil, Department of Quality Assurance, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

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Shirpur Dist Dh

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"Extraction and Evaluation of Antidiabetic Activity of Enicostemma Littorale (whole Herb) and Swietenia macrophylla (Seed)"

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A Dissertation Submitted to the

Kavayatri Bahinabai Chaudhari North Maharashtra University,

Jalgaon, Maharashtra

In partial fulfilment of the requirement for the degree of MASTER OF PHARMACY

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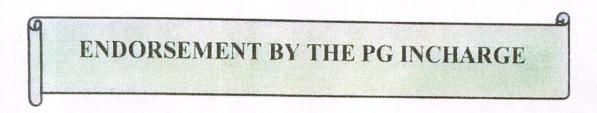
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This to certify that this dissertation entitled "Extraction and Evaluation of Antidiabetic Activity of *Enicostemma Littorale* (whole Herb) and *Swietenia macrophylla* (Seed)" is a genuine research work carried out by Mr. Saurabh Nandubhai Rajput, Department of Quality Assurance, under the guidance of Dr. Dilip A. Patil Department of Pharmaceutical Chemistry, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

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"Facile Synthesis of Carbon Quantum Dots From *Tamarindus Indica* Leaves and Its Application For Fluorescence Detection of Potassium Dichromate"

A Dissertation Submitted to the

Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, Maharashtra

In Partial fulfillment of the requirements for the degree of

MASTER OF PHARMACY

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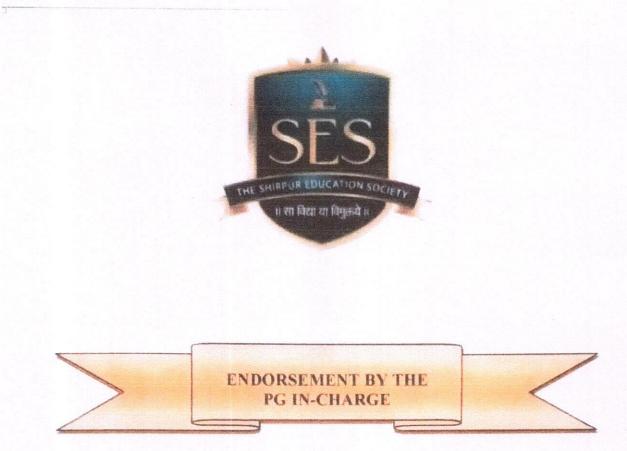
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Place: Shirpur Date 23/09/2022



"Metal Organic Framework Embedded Heteroatom Doped Graphene Quantum Dots for Sensing of Taurine"

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A Dissertation Submitted to the



Kavayatri Bahinabai Chaudhari North Maharashtra University,

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In partial fulfillment of the requirement for the degree of

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Date:0) 08/22

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Isolation and characterization of cellulose from *Rumex vesicarius* leaf waste for pharmaceutical application

A Dissertation Submitted to the

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In partial fulfillment of the requirement for the degree of

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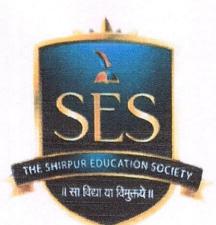
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Dateo 2/08/22



"Anti-sickling Effect of Herbal Medicinal Plant in Sickle Cell Disease and Public awareness of sickle cell Disease in Shirpur Taluka

region."



a Dissertation Submitted to the

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In partial fulfillment of the requirement for the degree of

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This is to certify that dissertation entitled "Anti-sickling Effect of Herbal Medicinal Plant in Sickle Cell Disease and Public awareness of sickle cell Disease in Shirpur Taluka region." is bonafide and genuine research work carried out by Mr. Sonawane Trunal Ramkrushna under the guidance of Dr. D. D. Patil at Department of Quality Assurance, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

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"ISOLATION AND CHARACTERIZATION OF a-PINENE FROM TURPENTINE OIL "

Dissertation submitted to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon



In partial fulfillment of the requirement for the degree of

Master of Pharmacy

In Quality Assurance

By **Mr. Gaurav Sunil Suryawanshi** Master of Pharmacy

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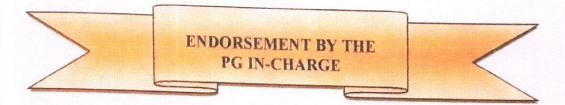
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This is to certify that this dissertation entitled "Isolation and Characterization of α-Pinene from Turpentine Oil" is a bonafide and genuine research work carried out by Mr. Gaurav Sunil Suryawanshi under the guidance of Mr. Chetan J. Bhavsar Assistant Professor, Department of Pharmacognosy at H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.

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Formulation and Evaluation of Tazarotene Loaded Emulsomes for Topical Administration in Psoriasis

A Dissertation Submitted to the



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In partial fulfilment of the requirement for the degree of

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ENDORSEMENT BY THE PG INCHARGE

This to certify that this dissertation "Formulation and Evaluation of Tazarotene loaded Emulsomes for Topical Administration in Psoriasis" is a genuine research work carried out by Miss. Prerna Jitendra Tiwari, Department of Quality Assurance, H. R. Patel Institute of Pharmaceutical Education and Research, Shirpur.



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Place: Shirpur Date: 20/09/22

